ski hut 73/74

DEVALUATION

This catalog reflects most of the price changes caused by the February, 1973, devaluation of the U.S. dollar. However, many more changes are expected, especially in goods that we import ourselves or buy from other importers (stoves, down, boots, clothing, etc.) due to unaccounted for fluctuations in both our own and foreign currencies. We will try to the best of our ability to hold to the prices shown in this catalog but must advise you that ALL PRICES SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE. We thank you for your patronage and understanding in this matter.

Front Cover — Olmstead Point, Yosemite Nat'l Park/Galen Rowell

Back Cover — Sierra Big Horns/Galen Rowell

SKI HUT INDEX

Altimeter 56
Bike Packs 57
Binoculars 56
Books 24-28
Boots and boot accessories 40-43
Climbing gear 13-18
Compasses 12
Containers—food, water, fuel 47-49
Clothing 29-39
Cook sets 50-51
Crampons 18
Fabrics and findings 7
Food 52-54
Gaiters 19
Gloves and mitts 45
Groundsheets 6
Hats and headgear 39
Ice axes 17
Instruments 56
Klepper boats 19
Knives 10-11
Lights and lanterns 55
Maps and map accessories 12
Mattresses and pads 6
Miscellaneous 8
Pack frames and accessories 59-61
Raingear 38
Rucksacks 58-59
Saws 9
Ski touring gear 20-23
Sleepings bags 1-5
Snowshoes 19
Socks 44
Stoves and cookers 46
Stuffsacks and duffles 45
Tents and tent accessories 62-64
Underwear 44

Copyright 1973, The Ski Hut, a Corporation

design & photography — Alfred Smith
photography — Leonard Sussman
photography — Paul Herzoff

SKI HUT WILDERNESS SKIING

– THREE DAY SEMINARS –

January 26, 27, 28
February 16, 17, 18
1974

The seminars will be in the moderate terrain of the Donner Summit region. Emphasis will be on the general winter experience of camping and traveling in the snow, rather than being geared toward skiing technique. Beginning tourers in good physical condition are welcome and either nordic or alpine touring gear will suffice. Cost: $75.00 per person (includes food and lodging). Seminars limited to 18.

TRANS-SIERRA SKI TRIPS

March 6-11 & March 27-31
1974
Leader: Galen Rowell

Trans-Sierra trips will follow Tioga Pass from the eastern desert of Lee Vining to Yosemite Valley via Tuolumne Meadows and Snow Creek. Packs can be kept very light (approximately 20-25 lbs.) because food caches will have been established on the route. Nordic equipment will be used. The trips will be three to five days in length depending on the weather and snow conditions. Intermediate or advanced skiers capable of traveling up to twelve miles a day are invited. Cost: $150.00 per person including transportation (trip limited to 12). For more information write The Ski Hut, 1615 University Avenue, Berkeley, Calif. 94703.

THE SKI HUT AND ROYAL GORGE SKI TOURING SCHOOL

This year, 1974, The Ski Hut, in conjunction with the Royal Gorge Ski Touring School, is offering two five day sessions of cross country wilderness skiing. Participants will ski into the Royal Gorge Ski Touring School's lodge and will live and ski for five days surrounded by high alpine terrain.

The program will consist of a series of different tours geared to the individual skier's ability. Technique will be taught in relation to the changing nature of climate and terrain as well as the desires of the individual. There will also be the option of an overnight trip for those interested in learning winter bivouac techniques.

The school is located in the area around Donner Summit and is isolated from the hustle and bustle of cities and people. The lodge is large with plenty of room to relax by the fire, read or work on skis. Sleeping is dormitory style and the lodge has a sauna. Fresh food is brought in daily on skis. In the evening there is fine food and skiing under the stars.

Please write for further information to Royal Gorge Ski Touring School, 1615 University Ave., Berkeley, Calif. 94703. Dates are: January 14-January 18 and February 18-February 22, 1974. Groups are limited to 20 people.

Write for information on weekend tours.

PALISADE SCHOOL OF MOUNTAINEERING

Eight seminars during July and August in the High Sierra near Big Pine, California. Each a week of fun, fellowship of wilderness and rope. Comprehensive climbing instruction for the novice and a unique leadership program for the proficient. Leaders include Smoke Blanchard, Jan Tiura, John Fisher, Bob Swift, Chris Fredericks and Passang Kami Sherpa. Brochure available upon request. Palisade School, 1398 Solano Ave., Albany, Ca. 94706.

MOUNTAIN TRAVEL (INC.)

1398 Solano Ave.
Albany, California 94706
(415) 527-8100

A program of unique wilderness travel for 1973/74.
Small groups designed for the hearty individual who likes to rough it and share an exciting adventure in wild places. Trips listed are for 1973; many will be repeated in 1974. Illustrated brochure and trip supplements available on request. (see coupon at opposite end)

NEPAL

Send for information on 8 treks in Nepal during the fall of 1973; hiking only.

North Annapurna. Visit the French base camp site, trek along the Kali Gandaki, Nov 28-Dec 29; 32 days. Bob Swift.

Rara Lake. Trek starts in Jumla, West Nepal. Oct 28-Dec 1. Lila Bishop.

Langtang Valley. The sacred lakes of Gosainkund via the Trisuli River. Bob Swift.

Towards Kangchenjunga. Oct 26-Dec 2; 30 day trek into remote East Nepal, views of Jannu, Kangchenjunga and other giants. Bob Swift.

NORTH AMERICA

Volcanoes of Mexico. Oct 31-Nov 18, ascents of Ixta, Popo and Orizaba.

Colorado River runs. May-Sept, trips through the Canyon in oar powered rafts with Oars, Inc.

Guatemala. Nov 23-Dec 14, hiking and canoeing. Linda Liscom.

Mt. Logan. (19,850) Ascent starts Jun 20, '74; 25 days.

Mountaineering School. Jul/Aug. Learn to rock climb in the high Sierra at North Palisade near Big Pine, weekly sessions.

SOUTH AMERICA

Galapagos Islands. Jan and Jun 1974, 3 week intensive visit to the islands on small sailing boats, SCUBA may be available.

Peru. Jun 15-Jul 15, visit Cuzco, Machu Picchu, Titicaca. Ed Lamb, leader. Cordillera Blanca trek Jul 20-Aug 20. Climbing expedition. Jack Miller.

Ecuador. Feb 74, volcano climbing and visit to the Oriente. 21 days. Allen Steck.

Patagonia. Feb 74, travel through the pampas, visit Fitzroy, Paine Towers, and Tierra del Fuego. 30 days.

ASIA-AFRICA

Kenya-Tanzania. Jul 14-Aug 12, walking, riding through the game parks. Leader: Jules Eichorn.

Hindu-Kush. Aug 25-Sept 22, trekking in the western Hindu-Kush. Ray Jewell.

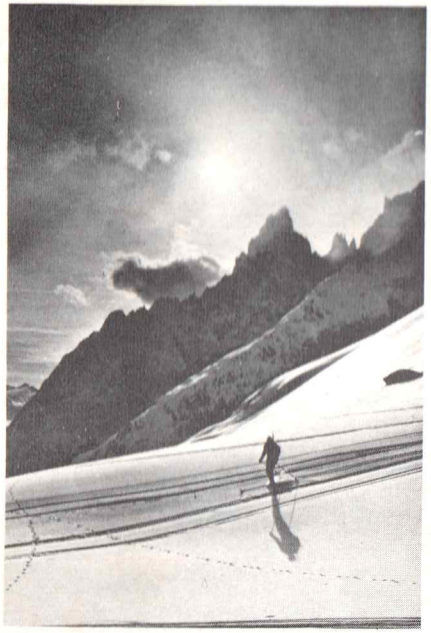
Pakistan. Jul 6-Aug 3, trekking through remote northern areas, possibly visiting Hunza-Gilgit. Ray Jewell.

Kashmir. Circular trek for 19 days from Srinagar, Jul 7-Aug 4. Gordon Wallace.

Archeological trails in Turkey. Jun 23-Jul 30, sailing and trekking . . . also wandering along country roads by bus. Allen Steck.

Sahara Desert. Camel riding and cave exploration, Tassili N'agger Dec 73, Hoggar Feb 74, 21 days each. Leo Le Bon.

There's More To The Mountains Than Meets The Sky...



AND THERE'S OFTEN MORE TO A MAGAZINE THAN, AT FIRST MEETS THE EYE...

If you were to pick up a random copy of Mountain Gazette—depending on the season and particular issue—you might think it was a ski magazine, a mountaineering journal, the country-cousin of The Village Voice or a poor man's National Geographic. And you'd be close on all counts.

Mountain Gazette is a monthly magazine printed on newsprint. It changes with the seasons: from fall to spring we do a lot with skiing, touring and winter mountaineering. In the spring we shift into wilderness tripping, climbing, fishing and like that.

We're always talking about the environment. And almost every issue wanders into some strange corner of the mountains—be it a piece on bluegrass music or a description of life in a development-threatened monastery.

Mountain Gazette: For Readers And For Writers...

In Mountain Gazette you'll find a reader-oriented magazine full of critical reviews of mountain equipment, current and classic literature, film, ideas . . . we even review and recommend other magazines and publications in our field.

You'll also find high adventure: This has included a narrative account of a man's pursuit of holding the world's speed record on skis; an account of the first winter crossing of Alaska's Brooks Range; or the story of a winter rescue from the Eiger.

And you'll find low life: Like the report on a T-shirt contest in Aspen, Colorado, which went further than the promoters, spectators or even the contestants had anticipated; or a guide to Innsbruck, Austria, after dark that takes you down some back alleys that even the natives won't tell you about.

Reading and Sex Are Both Better If...

In Mountain Gazette you'll find good writing and excellent photography presented in a clean, straightforward format. (In a recent review of ski journalism in *Skiing Magazine*, Mountain Gazette was singled out as having published some of the best things ever written about skiing. We aim to do the same in all things we write about.)

Finally, a comment taken from a letter of a satisfied reader which sums up what we would like to communicate here: "Why do I like Mountain Gazette? Because sex and reading are both better when there's something human on the other end."

Our Subscription Prices are...

$5 for 1 year (12 issues), $8 for 2 years and $10 for 3 years. If you'd like to see a sample copy first, send us 50c and we'll send you our current issue. Or, for $1 we'll send you 3 sample issues.

IMPORTANT

To subscribe to Mountain Gazette, please use coupon facing page 64 in this Ski Hut catalog.

ORDERED BY:

Last Name _____ first name _____

Address _____

City _____ State _____ Zip _____

MASTERCHARGE ONLY:

Mastercharge card number _____ (DO NOT SEND CARD)

4-digit number above name _____

"Good Thru" date and letter code _____

Please print permanent address above and shipping address on shipping label. Leave label attached.

I am; ___ am not ___ on your mailing list now.

Quant.	Cat. No.	Size	Description (include alternate color choices)	Weight	Amount

DO NOT WRITE BEYOND THIS LINE

First	B.O.	Charges

SEE OVER FOR POSTAL INSTRUCTIONS

POSTAGE & PACKING CHART
(Surface Only)

Weight	Zones 1-4	Zones 5-8
0-2 lbs.	$ .70	$1.00
2-4 lbs.	.90	1.50
4-6 lbs.	1.00	2.00
6-8 lbs.	1.25	2.50
8-10 lbs.	1.50	3.00

Over 10 lbs. **actual postage billed**

6½% Sales Tax in Alameda, Contra Costa and San Francisco counties

SUBTOTAL		
6% State Sales Tax* (Calif. Deliveries Only)		
POSTAGE	SURFACE (SEE CHART)	
	or	
	AIRMAIL .90 per lb.	
Special Handling .50 (expedites regular parcel post only)		
or		
Special Delivery .75 (expedites Air Mail and First Class)		
TOTAL		

Postage	B.O.	
	Net Charges	
Remittance	Tax	
	Postage	
Refund	Food	
Amount Due	**TOTAL**	

DATE CLOSED

SHIP TO:

Name _____

Address _____

City _____ State _____ Zip _____

This is your shipping label. Please print clearly, and do not detach.

the ski hut
1615 university ave., berkeley, ca. 94703

the ski hut 1615 university ave., berkeley, calif. 94703

Phone: (415) 843-6506 Hours: 9:00 – 4:30 Mon-Fri Closed Sat & Sun We do not accept collect calls

HOW TO ORDER

1. FULL REMITTANCE must accompany order. Foreign orders payable in U.S. funds. Most out of stock items will be backordered and shipped on arrival unless cancellation is requested.
2. COD – Do not send remittance with order. Cash payments made to postman on delivery for cost of merchandise, postage and COD charges. Out of stock items will be cancelled. NO COD UNDER $10.00.
3. Master Charge – Complete form on front of order. Do not send card. Out of stock items will be cancelled.

SHIPPING

1. Add up weight of merchandise. Refer to chart below to find appropriate zone. Use the "Postage & Packing Chart" on the front to determine postage.
2. OVERSIZED PARCELS – Skis, some poles, some snowshoes, Klepper boats, etc. will be shipped via alternate carrier. Postage Billed.
3. FOREIGN SHIPMENTS will be billed at International Parcel Post rates. Packframes exceed postal size limits, and must be shipped air freight. Please check with nearest airline for approximate cost.

PRICES

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. Due to international fluctuation of U.S. currency, imported items are subject to frequent price changes. On minor increases, the merchandise will be shipped and you will be billed for the difference. Most of our customers prefer to receive their merchandise rather than wait to be notified of an increase. If a price change is unsatisfactory, please return the merchandise for a refund.

HOW TO RETURN MERCHANDISE

RETURN ITEMS within 30 days if not completely satisfied. Please enclose a letter explaining the problem and what changes you want made. Be sure to include your order number and the name of the person "Ordered By." For your protection please insure the parcel against loss. The Ski Hut sells only products of the finest workmanship. Your satisfaction is guaranteed.

ZONE CHART

To determine your postal zone for Ski Hut mailing, use zone number opposite first three digits of your zip code as listed on the chart below.

Zip Code Prefixes	*Zone*	*Zip Code Prefixes*	*Zone*	*Zip Code Prefixes*	*Zone*	*Zip Code Prefixes*	*Zone*	*Zip Code Prefixes*	*Zone*	*Zip Code Prefixes*	*Zone*
006-098	8	530-534	8	674-679	6	770-787	7	850-859	5	955	3
		535-540	7	680-681	7	788	6	860-864	4	956-959	2
100-199	8	541-543	8	683-693	6	789	7	865-880	5	960-961	3
		544-567	7			790-797	6	881-882	6	962-966	1
200-299	8	570-577	6	700-704	8	798-799	5	883	5	967-969	8
		580-582	7	705-706	7			884	6	970-974	4
300-379	8	583-588	6	707-708	8	800-826	5	890-893	4	975-976	3
380-381	7	590-591	5	710-729	7	827	6	894-897	3	977-979	4
382-385	8	592-593	6	730-739	6	828-832	5	898-899	4	980-985	5
386-387	7	594-599	5	740-745	7	833	4			986	4
388-399	8			746	6	834-835	5	900-928	4	987-992	5
		600-609	8	747	7	836-837	4	930-935	3	993	4
400-499	8	610-617	7	748	6	838	5	936-939	2	994	5
		618-619	8	749-762	7	840-844	4	940-951	1	995-997	8
500-508	7	620-667	7	763-764	6	845	5	952-953	2	998	7
510-511	6	668-672	6	765-767	7	846-847	4	954	1	999	6
512-528	7	673	7	768-769	6						

TRAILWISE SLIMLINE BAG. The Slimline, our most popular bag, is designed for the mountaineer or backpacker who must keep weight and bulk to a minimum without sacrificing warmth. The snug, form-fitting Slimline shell minimizes heat loss, resulting in a more efficient, warmer bag. A 7½" differential cut allows maximum lofting of the white goose down, while slanting Chevron baffles sewn at 5" intervals stabilize the down. Each tube is individually sewn off to positively eliminate down shift between tubes. The standard Slimline is a versatile bag for use under general conditions. The overfill Slimline is intended for higher altitudes and winter temperature. The shell is made of the finest water-repellent Tenaya nylon. Slimlines may be ordered in matching pairs that zip together. 72" double slider nylon zippers on right or left side, draw cord hood. Colors are blue and orange. Supplied with a waterproof stuffsack.

SLIMLINE 1 will fit persons up to 5' 8".			
SS113/1	24½ oz. fill	total wt. 44½ oz.	**$ 96.50**
SS113/1X	28½ oz. fill	total wt. 48½ oz.	**$102.00**
SLIMLINE 3 will fit persons up to 6'.			
SS113/3	26 oz. fill	total wt. 47½ oz.	**$ 99.50**
SS113/3X	30 oz. fill	total wt. 51½ oz.	**$105.00**
SLIMLINE 5 will fit persons up to 6' 5".			
SS113/5	28 oz. fill	total wt. 50 oz.	**$106.50**
SS113/5X	32 oz. fill	total wt. 54 oz.	**$112.00**

NORRLAND

TRAILWISE NORRLAND BAG. Cut fuller at the shoulder and elbow sections than the Slimline bag. Recommended for those who feel confined by the slimmer mummy style and who are less concerned with the total weight. Shell is light, downproof Tenaya nylon. A 10" differential cut allows full lofting of the white northern goose down. Down shift between tubes is eliminated by closing each tube individually. Slanting Chevron baffles sewn at 5" intervals stabilize the down. Norrland bags may be ordered in matching pairs that zip together. 72" double slider nylon zippers on right or left side. Draw cord hood. Colors are blue and orange. Supplied with a waterproof stuffsack.

NORRLAND 2 will fit persons up to 5' 10".

SN112/2	34 oz. fill	total wt. 57-1/3 oz.	**$114.50**
SN112/2X	40 oz. fill	total wt. 62-1/3 oz.	**$124.00**

NORRLAND 4 will fit persons up to 6' 2".

SN112/4	39 oz. fill	total wt. 62½ oz.	**$122.50**
SN112/4X	45 oz. fill	total wt. 68½ oz.	**$131.00**

CHEVRON

TRAILWISE CHEVRON BAG. Our finest bag. Designed for expeditionary use under severe winter and high altitude conditions. Nothing has been spared in design, construction or material to make the Chevron the warmest Trailwise sleeping bag. The light, downproof, water-repellent and extremely durable Tenaya nylon shell has a luxurious feel and will give years of service. A 17½" differential cut allows maximum lofting of premium garment grade white goose down for optimum warmth/weight ratio. Seven-inch Chevron baffles are spaced at 5" intervals and slanted a full half-tube width for greater thermal efficiency. Each tube is individually sewn off to positively eliminate down shift between tubes. 72" double slider nylon zipper on right or left side allows bags to be zipped together. Drawcord hood. Colors are blue or orange. Supplied with a waterproof stuffsack.

CHEVRON 3 will fit persons up to 6' 2".

SC111/3	44 oz. fill	total wt. 68 oz.	**$131.00**
SC111/3X	50 oz. fill	total wt. 74 oz.	**$141.00**

CHEVRON 5 will fit persons up to 6' 5".

SC111/5	52 oz. fill	total wt. 78 oz.	**$144.50**
SC111/5X	58 oz. fill	total wt. 84 oz.	**$154.50**

COMBI

TRAILWISE COMBI BAG. A "semi-rectangular" bag having a 5" taper from head to foot. An excellent bag for general summer use out-of-doors, or in cabins and campers. Full-length 99" nylon zipper extends across foot section so that bag may be opened flat for use as a comforter. 1.9 Ripstop nylon throughout. Dark green outer shell with contrasting bright orange inner shell. Slanting baffles set at 6" intervals. Tubes individually closed. The Combi will only zip together with another Combi or with the Competition bag. Filled with grey northern goose down. Will fit persons up to 6' 4". Bag is not hooded, but does have drawcord closure. Waterproof stuffsack included.

SC017 ..... 32 oz. fill .... total wt. 61 oz. ..... **$ 95.00**

COMPETITION

TRAILWISE COMPETITION BAG. A semi-rectangular bag with a zipper extending across the foot section so that it may be opened flat for use as a comforter. Fabric is 1.9 blue Ripstop nylon. Fill is duck down, second only to goose down in efficiency and far less expensive. Fully baggled. Longitudinal tubes and simplified construction also help keep the cost down. Will zip together with another Competition bag or with the Combi to form a double bag. A good summer bag. Ideal for cabin or camper use.

SC200 ..... 30 oz. fill ..... total wt. 44½ oz. **$57.50**

DOUBLE MUMMY

TRAILWISE DOUBLE MUMMY BAG. A roomy bag for two people. Shell is blue 1.9 Ripstop nylon Slanted Chevron baffles are sewn at 7" intervals. 7" differential. Sewn off tubes. Fill is grey goose down. Individual thermal control is provided by two 70" side zippers with draft flaps and independent drawcord closures. Velcro fastening of center section between hoods permits opening of entire top of bag. Will fit persons up to 6'4". Color is blue. Supplied with waterproof stuffsack.

SD115 ..... 64 oz. fill .. total wt. 111-1/3 oz. **$175.00**
SD115/X ..... 72 oz. fill .. total wt. 119-1/3 oz. **$186.50**

BIVOUAC

TRAILWISE DOWN-FILLED BIVOUAC SAC OR CHILD'S MUMMY BAG. This bag is especially designed for use with a down-filled parka. Used alone, it is an excellent child's bag for the young camper up to 4' 2". The fabric is Tenaya nylon with straight slant tube baffles at 6" intervals. It has a 10" differential cut. Sewnoff tubes. Fill is grey goose down. No zipper. Modified drawcord hood. Colors are blue or orange. Supplied with a waterproof stuffsack.

SB116 ..... 16 oz. fill ... total wt. 29½ oz. ..... **$ 59.00**

TRAILWISE SLEEPING BAG COVER. A departure from the traditional design, our cover is designed for a multitude of uses. Rectangular in shape, it measures 44" x 98". No zipper. Large enough to accommodate any Trailwise bag (except double mummy) with room left over for clothing and other gear. Will also double as tarp or groundsheet. Top is green 1.9 Ripstop nylon, bottom is beige waterproof 1.9 Ripstop nylon.

S127 ..... wt. 16½ oz. **$13.50**

	FABRIC	TUBE PATTERN	LENGTH INCLUDING HOOD	INSIDE CIRCUMFERENCE AT SHOULDERS	INSIDE CIRCUMFERENCE AT ANKLES	DIFFERENTIAL	TYPE OF FILL	FILL WEIGHT	LOFT	MINIMUM* TEMPERATURE
SLIMLINE SS113/3	Tenaya	Chevron	78"	50"	26"	7½"	White Goose	26 oz	8"	0°
NORRLAND SN112/4	Tenaya	Chevron	80"	54"	33"	10"	White Goose	39 oz	9"	5°
CHEVRON SC111/3	Tenaya	Chevron	78"	54"	28"	17½"	White Goose	44 oz	11"	−20°
COMBI SC017	1.9 Ripstop	Lateral	77"	56"	42"	X	Grey Goose	32 oz	7"	20°
COMPETITION SC200	1.9 Ripstop	Longitudinal	73"	57"	38"	X	Duck	26 oz	6"	25°
DOUBLE MUMMY SD115	1.9 Ripstop	Chevron	91"	98"	60"	7"	Grey Goose	64 oz	8"	10°
FOOTSACK S127	Tenaya	Lateral	58"	48"	26"	10"	Grey Goose	16 oz	10"	10°

* conservative average temperatures at which discomfort would awake a person.
calculated for standard fill, for models with heavier fill lower minimum temperature by 10°

The sleeping bag is one of the most costly and important items the outdoorsman will purchase. It should be selected with conditions of use well in mind. Choose your bag for the coldest use expected. No one bag is suitable for all seasons and temperatures, so we offer a series of bags designed to cover a range of conditions.

MATERIALS

Materials used in the construction of Trailwise bags are of the highest quality available.

GOOSE DOWN. Dead air spaces are the basis of all modern insulation, and ounce for ounce, the best down will deaden a greater amount of air than any other material. Down varies greatly in quality. The best down is obtained from mature, northern geese. Immature down and down from other waterfowl lacks buoyancy, loft and durability. Even prime northern AAA goose down comes in two quality grades; "bag-grade" down used by most manufacturers contains from 12% to 20% feathers, "garment-grade" down used in Trailwise sleeping bags has only 8% to 12 feathers.

TENAYA NYLON. Developed by Trailwise for use in constructing down-filled sleeping bags. Beginning with a 40 denier high-tenacity thread, Tenaya is tightly woven with 155 x 128 threads per inch. This high density, combined with a special finishing process, produces a down-proof, water-resistant fabric with low permeability. Tenaya has a smooth, even texture. Weight to strength ratio is excellent.

1.9 RIPSTOP. Another excellent and popular nylon fabric used by Trailwise for their less expensive bags.

CONSTRUCTION

SHAPE. Except for the Combi and Competition, all Trailwise bags are of a mummy design. While a mummy is more confining than the rectangular bag, it significantly increases the insulating efficiency while keeping weight to a minimum.

DIFFERENTIAL. All sleeping bags consist of an inner and an outer shell holding insulating material between them. To achieve maximum lofting and to prevent cold spots, Trailwise sleeping bags are differentially designed, i.e. the inner shell is smaller in dimension than the outer shell.

BAFFLES. Hot-cut from strong nylon netting and sewn between the two shells to contain the down and to prevent its shifting and bunching, Trailwise uses a slant baffle which is offset a full half-tube width for maximum loft. In the Chevron, Slimline and Norrland models, these baffles are sewn into a Chevron pattern which further reduces down-shift and places cross-tension on the shell material rather than on the stitching for a much stronger bag. Each baffle is separately sewn-off to make **each down tube a closed unit, completely eliminating down-shift between tubes.**

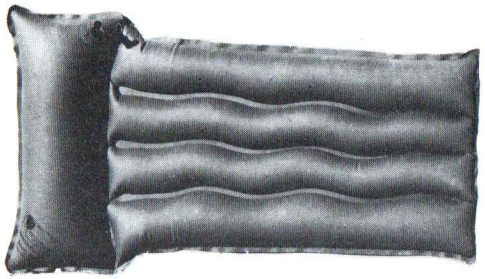
ZIPPERS. All Trailwise bags (except Footsack) come with a No. 5 nylon double slider zipper which may be opened independently from head or foot for optimum temperature control and ventilation. With the exception of the Combi and the Competition (which will only zip together with each other) all Trailwise zippered bags may be zippered together, even though length and style may vary.

DRAFT FLAP. Trailwise uses a down-filled draft flap to seal off bag zippers and eliminate this potentially cold area. These oversize flaps are offset, overlapping, and attached with **two** widely spaced seams to assure a positive draft seal.

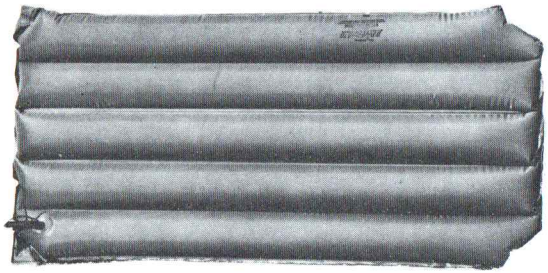
HOOD. The hood and shoulder areas of Trailwise sleeping bags are shaped and contoured so that they readily form a smooth effective hood when pulled shut.

FINISH. All exposed raw edges in Trailwise sleeping bags are covered with nylon bias tape. Each bag is constructed by a single seamstress who is personally responsible for that bag, assuring quality control impossible with assembly line construction.

Sleeping bag temperature ratings are relative and should be used only as an index of comparison between bags. The low temperature range of a bag depends on many factors: adequate ground insulation, humidity, wind speed, and most important, the metabolic rate and physical condition of the sleeper. There is considerable individual variation both in the ability of the body to produce heat and to tolerate cold. Thermal underwear, sleeping bag covers, tents, significantly increase the effective temperature ratings given below.

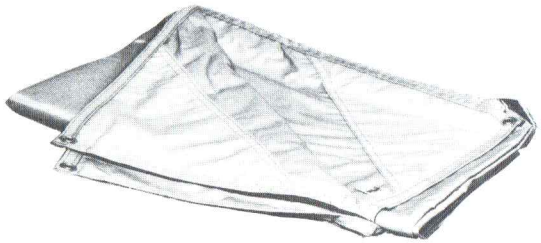


GOOD COMPANION AIR BED. A hip-length air mattress with separately inflating pillow, made by Thomas Black. Main section has four longitudinal tubes. Sturdy rubberized cotton canvas. Size 22" x 45".
S345 ..... wt. 30 oz. ... **$10.00**



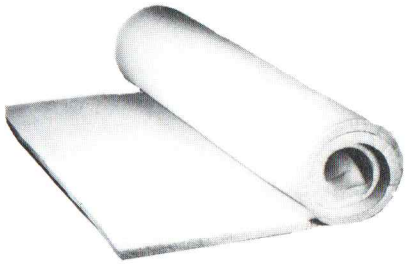
STEBCO AIR MATTRESSES. Durable vinyl laminated lightweight nylon. Longitudinal tubes. Orange on one side, green on the other. Two year factory guarantee.
S348 23" x 50" wt. 24 oz. **$ 7.50**
S372 28" x 72" wt. 40 oz. **$10.50**

STEBCO AIR CUSHION. Inflatable nylon. Size 15" x 18". Color: green.
S340 ..... wt. 5 oz. ... **$ 1.50**

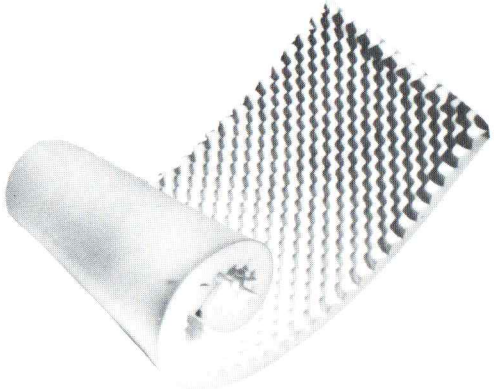


TRAILWISE NYLTOWN GROUNDSHEETS. Fine nylon with double waterproof urethane coating; remains supple at low temperatures. Reinforced at points of strain; hemmed edges, grommets at corners and midpoints. Color: brown.
S120/57 5' x 7' wt. 12 oz. **$12.50**
S120/79 7' x 9' wt. 24 oz. **$17.50**

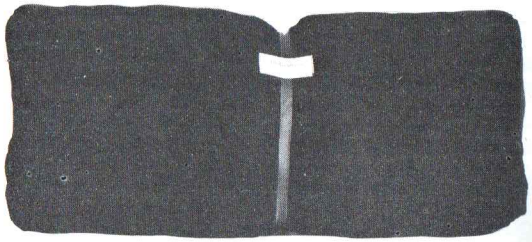
ENSOLITE SLEEPING PAD. Unicellular material will not soak up water like foam rubber. Reasonable comfort with superior insulation from ground cold and dampness. 3/8" x 19" x 42". Rolled size 5" x 19".
S121 .. ave. wt. 14 oz. ... **$ 4.50**



POLYURETHANE SLEEPING MAT. Comfortable all-purpose mat of convoluted polyurethane. Although more bulky than an air mattress, it is equal in comfort, lighter and superior in insulation. 2" overall thickness.
S123/3 ... 21" x 38" .wt. 16 oz.
Rolled size . 8" x 21" ... **$ 3.00**
S123/6 ... 21" x 76" .wt. 32 oz.
Rolled size 13" x 21" ... **$ 6.25**



SLIMLINE PAD. Covered 2" half length foam pad. Underside is waterproof Nylport. Top is cotton to reduce slipping. Rolls into hood. Size: 21" x 38". Rolled size 9" x 6" x 20".
S122 ..... wt. 20 oz. ... **$11.00**



AUCA HAMMOCK. 4' x 6½' nylon net rolls into pocket-sized ball. Tie ropes and metal tie rings included.
S151 ..... wt. 8 oz. ... **$ 6.00**

Cat. No.	Fabric	Wt. oz. per sq. yd.	Finish	Width (inches)	Thread Count per inch	Tear Test in lbs. (ave.)	Colors	Uses	Price per lin. yd.
N113	Tenaya Nylon	1.6	downproof	42/43	150x128	5.5	blue, orange	sleeping bags, clothing	$2.45
N112	Supernyl Nylon	2.5	downproof	44/45	160x92	7.0	toast, forrest green, royal blue, chianti, brick	sleeping bags, garments	$1.65
N107	Urethane Nylon Duck	7.8	urethane coated waterproof	42/43	60x45	56.0	brown, blue, orange	packs, duffles, stuffsacks	$3.35
N104	Nylport Nylon	2.35	urethane coated waterproof	54/55	104x88	2.3	blue, green	raingear, tent floors, ponchos	$2.00
N105	Nyltown	3.5	urethane coated waterproof	45/46	144x68	4.5	brown	raingear, tent floors, ground sheets	$2.10
N119	Ripstop Nylon	1.9	downproof water repellent	44/45	112x100	8.0	green, orange, blue	sleeping bags, garments, tents	$1.50
N120	Coated Ripstop Nylon	2.3	urethane coated waterproof	44/45	112x100	6.0	beige	tent flies, tarps	$2.15
N127	Nylon Netting	.75	— — — —	37	50x50	— —	grey	mosquito doors, sleeping bag baffling	$1.00
N130	60-40 Cloth – 38% Nylon (warp), 62% Cotton (weft)	4.0	water repellent	45	110x80	12.0 (warp) 5.0 (weft)	blue, orange	garments	$2.75

ZIPPERS–NO. 5 NYLON CHAIN.
Single slider, Single Pull. Closed both ends (pocket).
9", 12", 15", 17" ..... $ 1.00
Double Slider, Single Pull. Separating (garment).
28", 31", 32", 35" ..... $ 2.00
Double Slider, Double Pull. Separating (sleeping bags).
70", 72", 99" ..... $ 2.75

NORTHERN GOOSE DOWN. The perfect insulator for sleeping bags, parkas, etc. Packed in plastic bags.
White Goose Down
NG104 ..... ¼ lb. ..... $ 6.00
NG108 ..... ½ lb. $11.75
NG116 ..... 1 lb. $22.50
Grey Goose Down
Ng004 ..... ¼ lb. ..... $ 5.75
NG008 ..... ½ lb. $11.00
NG016 ..... 1 lb. $21.00

NYLON WEBBING.
Heavy Weight
HN012 ..... ½" black ..... ft. $ .10
HN100 ..... 1" char. grey ..... ft. $ .10
HN112 ..... 1½" grey ..... ft. $ .18
Medium Weight
MN100 ..... 1" grey ..... ft. $ .06

RIPSTOP REPAIR TAPE. 2" wide Ripstop material with adhesive backing. Quick repair for rips. Colors: red, blue, green, orange, yellow.
N100/R ..... 25' roll ..... $ 2.25
N100/F ..... per foot ..... $ .10

ENSOLITE. A unicellular foam material noted for insulating efficiency and shock absorbing quality. Will not soak up water. Used for padding under sleeping bags, shoulder pads, insulation, etc.
Full Sheets 42" x 56"
NE118 ..... 1/8" .... ave. wt. 12 oz. ..... $ 4.75
NE125 ..... ¼" .... ave. wt. 26 oz. ..... $ 9.00
NE138 ..... 3/8" .... ave. wt. 40 oz. $12.50
Half Sheets 21" x 56"
NE018 ..... 1/8" ..... ave. wt. 6 oz. ..... $ 2.50
NE025 ..... ¼" .... ave. wt. 13 oz. ..... $ 4.80
NE038 ..... 3/8" .... ave. wt. 20 oz. ..... $ 6.50

VELCRO TAPE. ¾" hook-and-pile tape, used for closures on pockets, cuffs, flaps, etc. Strong and long lasting. Colors: beige, grey, orange, blue, green.
NV304 ..... per foot $ .60

SEAM SEALANT. A clear liquid for waterproofing seams. Bonds well to most fabrics including vinyl and polyurethane. Brush on; quick drying. 4 oz. can.
N901 ..... $ 1.60

RAINDRI. Water and stain repellent. A silicone formula for treatment of clothing, upholstery, canvas, and leather. 16 oz. spray can.
N905 ..... $ 1.75

DOT RIVETS. Strong, all-purpose 2-piece rivets. Set with hammer.
N411 ..... box of 100 ..... $ 2.75

BAG SNAPS. Steel clip. Nickel finish.
N420 ..... ½" ..... $ .25

SLIDE FASTENERS.
415 ..... 1" ..... ea. $ .05

SCOTT BUCKLE. Quick-release buckle for ½" webbing.
N417 ..... $ .25

SPEEDY STITCHER SET. For sewing any heavy material, including leather, with lock stitch. Set contains sewing awl with bobbin and thread and three needles.
N201 ..... wt. 3½ oz. ..... $ 1.65

DELUXE SPEEDY STITCHER SET. Includes, in addition to the set described above, 180 yards of thread and 3 more needles.
N202 ..... wt. 7 oz. ..... $ 3.50

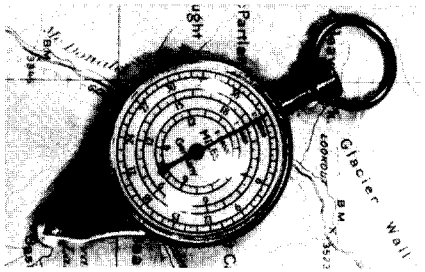
SPEEDY STITCHER THREAD. 30 yards.
N203 ..... Fine ..... $ .35
N204 ..... Heavy ..... $ .45

SPEEDY STITCHER NEEDLES.
N205/l ..... No. 4 Light ..... $ .25
N205/h ..... No. 8 Heavy ..... $ .25
N205/hc ... No. 8 Heavy Curved ..... $ .25

8 MISCELLANEOUS

MOSQUITO HEADNET. Simple but effective net tube with drawstrings at each end.
G114 ..... wt. ½ oz. ..... **$ .60**

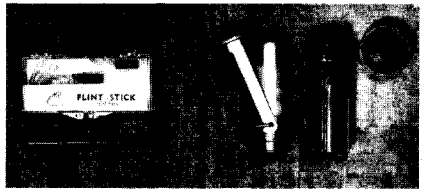
GLASS GARD. Adjustable elastic band keeps glasses safely in place. Fastens simply and securely to your glass frames.
E510 ..... wt. ¼ oz. ..... **$ .75**



MAP MEASURER. Direct reading: no conversion charts needed for any standard domestic maps. 1:62500, 1:31680 and 1:24000 scale maps can be read simply by running the little wheel over the distance to be measured; mileage will appear directly on the dial. Reverse dial for other scales. Precision made. 2-7/8" long. Nickel plated.
J201 ..... wt. 1 oz. ..... **$ 3.00**

METAL MATCH BOX. Seamless drawn brass with rough-surface match scratcher on sides. 2¾" x 1". Waterproof.
E507 ..... wt. 1¼ oz. ..... **$ .85**

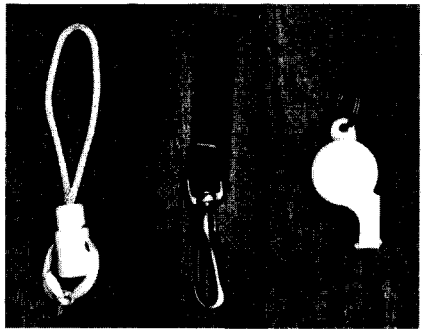
PLASTIC MATCH BOX. Waterproof hard plastic. Cork gasket, striking flint. 2¾" x 1".
E506 ..... wt. 1½ oz. ..... **$ .45**



FLINT STICK. Gives off a high-temperature spark that will ignite flammable gases and liquids or tinder. Comes in kit with flint, striker, tinder, and key ring.
E504 ..... wt. ¾ oz. ..... **$ 1.00**

METAL MATCH. Simply hold over tinder and ignite by rapidly scraping with a sharp object, which will produce a shower of long-lasting high temperature sparks.
E505 ..... wt. ¾ oz. ..... **$ 2.15**

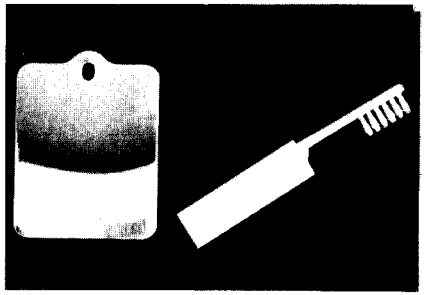
ALPINE CANE. Imported from Germany. A good companion on mountain trails. Strong lightweight Weichsel wood. End is fitted with metal ferrule and spike. Average length 36".
MA301 ..... wt. 8 oz. ..... **$ 6.00**



DRAWSTRING CLAMP. Spring loaded plastic clamp that will hold drawstrings up to parachute cord size on parkas, hoods, packs, etc.
R701 ..... wt. ¼ oz. ..... **$ .30**

BELT HOOK. Sturdy nylon strap with swivel snap hook for attaching cups, canteens, etc.
R702 ..... wt. 1 oz. ..... **$ .60**

PLASTIC WHISTLE. A must for safety in the mountains. Color: white.
E503 ..... wt. ½ oz. ..... **$ .30**



METAL MIRROR. 3" x 4". Has hole for hanging.
G201 ..... wt. 2½ oz. ..... **$ .35**

TOOTHBRUSH. 2-piece brush. Hollow handle serves as carrying case. Packed length 3½". Comes in kit with toothpaste.
G202 ..... wt. ½ oz. ..... **$ 1.20**

WATER PURIFICATION TABLETS. Kills most germs and bacteria within 30 minutes. One small bottle contains 100 halazone tablets.
G113 ..... wt. 1½ oz. ..... **$ 1.50**

CUTTER'S SNAKEBITE KIT. An essential item for the outdoorsman. Consists of three suction cups, vial of antiseptic, lymph constrictor, and knife blade. 1" x 3".
E509 ..... wt. 1 oz. ..... **$ 2.40**

SKREEN. A high altitude cream used by the conquerors of Mt. Everest. Prevents burning, permits tanning.
G104 ..... wt. 1¾ oz. ..... **$ 1.50**

GLACIER CREAMS.
Red Tube. Prevents burning and tanning at high altitudes. 1 oz. tube.
G101 ..... wt. 1 oz. ..... **$ .85**
Green Tube. Prevents burning, allows tanning. 1 oz. tube.
G102 ..... wt. 1 oz. ..... **$ .75**

LUBRIDERM LOTION. Recommended for chapping, windburn, relief of sunburn. 4 oz. plastic bottle.
G105 ..... wt. 5 oz. ..... **$ 1.25**

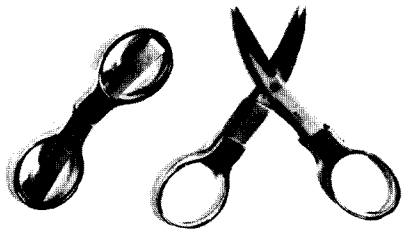
A-FIL SUN STICK. For lips that are sensitive to sun and wind. Prevents chapping.
G108 ..... wt. 1 oz. ..... **$ 1.00**

SUN SWEPT CREAM. Clear moisturizing cream that prevents sunburn while promoting a tan. 1½ oz. tube.
G107 ..... wt. 2 oz. ..... **$ 1.50**

LABIOSAN. A very effective opaque tinted lip salve for the prevention or cure of sun and windburn, cold sores, herpes simplex, etc.
G109 ..... wt. 1 oz. ..... **$ 1.00**

OFF REPELLENT. A clear liquid that repels mosquitos, gnats, etc. One application lasts hours. 1½ oz. bottle.
G110 ..... wt. 4 oz. ..... **$ .90**

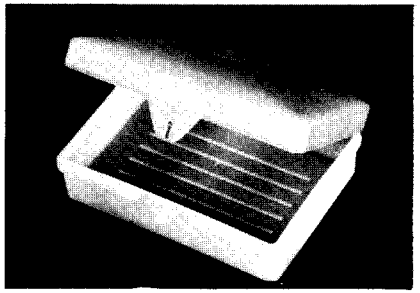
CUTTER'S INSECT REPELLENT. Highly concentrated formula. Expensive but good. A little goes a long way. Plastic squeeze bottle.
G111 ..... wt. 1½ oz. ..... **$ 1.10**



FOLDING SCISSORS. Heat-treated blades of surgical stainless steel are completely protected when scissors are folded. Blade length: 1½". Folded size: 1" x 3 1/8".
J525 ..... wt. 1 oz. ..... **$ 4.00**

NYLON CORD. 1/8" cord; 550 lb. test.
C050 ... 50' hank ...3 oz. ... **$ .75**
C100 .. 100' hank ...6 oz. ... **$ 1.50**

DR. BRONNER'S LIQUID SOAP. Pure castile soap, peppermint scented and fully biodegradable.
G203 ..... wt. 4 oz. ..... **$ .75**

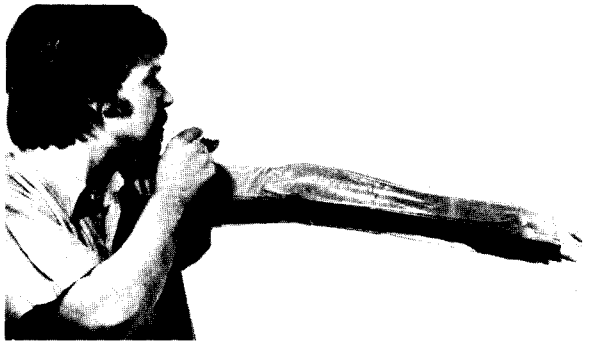


PLASTIC SOAP DISH. Hinged lid with catch. Holds 1 bar of soap. 4" x 2¾" x 1½".
G204 ..... wt. 1¼ oz. ..... **$ .25**

UTILITY POUCHES. Flat clear waterproof plastic envelopes with slide closures.
G206/811 ..... 8" x 11" .... **$ .30**
G206/913 ..... 9½" x 13" .... **$ .45**
G206/1216 .... 12" x 16" .... **$ .50**

MOUNTAINEER FIRST AID KIT. An Alpine Aid Basic Kit for minor emergencies. Unbreakable, waterproof plastic case contains: 12 aspirin, 12 salt tabs, 8 antacid tabs, 6 motion sickness tabs, 2 tubes burn ointment, 2 rolls adhesive tape, 6 gauze pads, 12 bandaids, 5 insect repellent towels, 1 piece of mole skin, 3 antibacterial soap pads, 1 gauze roll, 1 razor blade, 1 pr. tweezer, 1 needle, and a first aid manual.
E901 ..... 10 oz. ..... **$ 6.50**

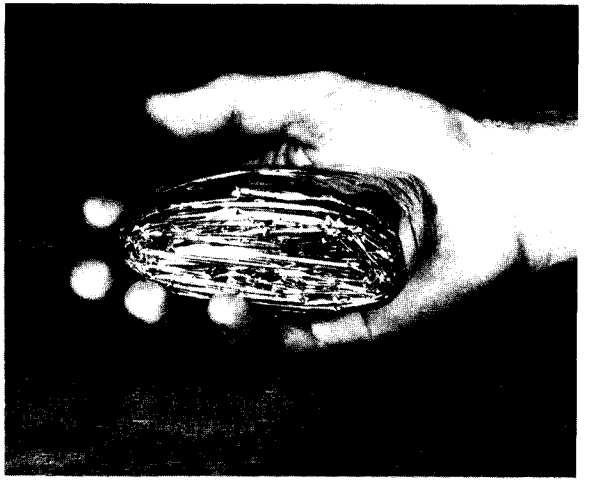
SALT TABLETS.—Pkg. of 24.
E902 ..... wt. 1 oz. ..... **$ .29**
BLISTER CARE PACK. Contains 2 alcohol swabs and a 4" and 9" moleskin.
E903 ..... wt. 1 oz. ..... **$ .55**
ANTISEPTIC SWABS.—Pkg. of 10.
E904 ..... wt. 1 oz. ..... **$ .49**
TRIANGULAR BANDAGE.
E905 ..... wt. 2 oz. ..... **$ .69**



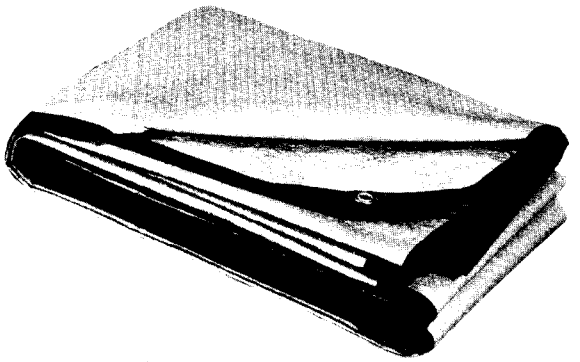
AIR SPLINTS. Orally inflatable. Double wall vinyl bandage/splints. Lightweight and compact. Injured limbs are immobilized, cushioned and protected. Hemorrhaging is controlled. Full-length zippers provide easy positioning and removal without moving injured limb and provide for reusing splints. (Air splints without zippers are normally cut away and destroyed in order to remove them). Inflates in seconds and applies uniform pressure while permitting free circulation. Manufacturer's guarantee.

E910	Full Leg	* wt. 17 oz.	**$16.95**
E911	Half Leg	wt. 12 oz.	**$14.95**
E912	Full Arm	wt. 13 oz.	**$12.95**
E913	Half Arm	wt. 12 oz.	**$10.95**
E914	Set of 4 Air Splints	wt. 4½ lbs.	**$49.95**

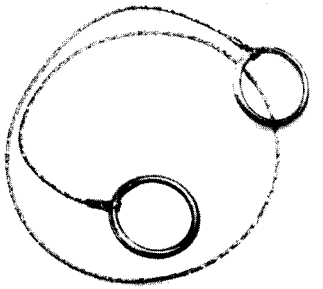
* weight includes packaging.



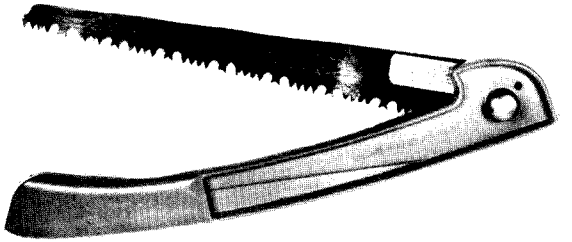
SPACE RESCUE BLANKET. Full-size (56" x 84") ultra-lightweight expendable emergency blanket based on a super-insulation material proven in space missions. Reflects up to 90% of a person's body heat back to him while keeping out rain, wind, and snow. Remains flexible at temperatures as low as 60 degrees below zero. Folds to a tiny 1½" x 2" x 4" and weighs only 2 ounces. Recommended for inclusion in any survival kit.
E702 ..... wt. 2 oz. ..... **$ 1.60**



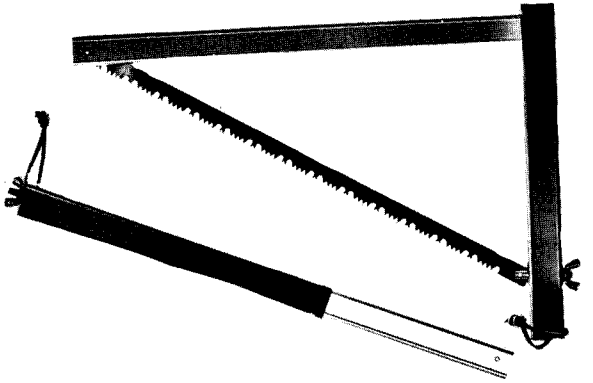
SPACE SPORTSMAN'S BLANKET. 56" x 84" blanket reflects up to 80% of the body's warmth, yet folds to only 5½" x 8" and weighs a mere 11 ounces. Waterproof and windproof, it will never crack, rot, or mildew, and remains flexible at 60 degrees below zero. Pound for pound it is ten times warmer than wool; and with bound edges and grommeted corners, this versatile blanket may be used as a groundsheet, windbreak, tarpaulin, etc.
E701 ..... wt. 11 oz. ..... **$ 5.85**



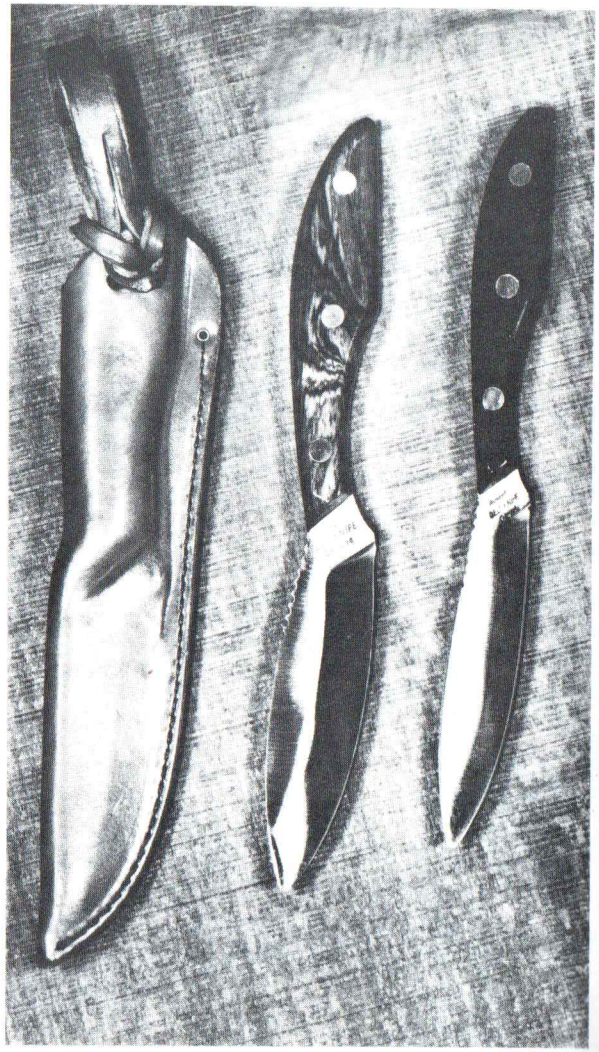
WIRE SAW. A fine survival kit item. Hardened steel; rugged, lightweight, compact, and inexpensive, this unique little saw fills a variety of needs. A bow may be cut of green wood and fitted to the end rings, making an efficient bucksaw.
J522 ..... wt. ½ oz. ..... **$ 1.35**



SWEDISH FOLDING SAW. Fast-cutting 11" blade folds safely into rugged plastic handle and locks open for use.
J500 ..... wt. 9 oz. ..... **$ 4.00**



SVEN SAW. Rugged folding bucksaw with tempered Swedish steel blade and frame of lightweight anodized aluminum. Single wing nut locks saw open or closed. 20" blade is completely and safely enclosed when saw is folded. Carrying size 23" x 1½" x ½".
J521 ..... wt. 16 oz. ..... **$ 6.50**
J521/b Extra Blades with stud wt. 16 oz. ..... **$ 1.75**



BUCK KNIVES. Each Buck Knife is entirely handmade and fully guaranteed for the lifetime of the purchaser. They are further guaranteed to hold an edge better than any other knife known today.

Buck sheath knives are supplied with a non-reflective black sheath of tough cowhide with a snap fastened safety flap.

SPECIAL. A heavy-duty Bowie-styled knife with 6" blade. Beautifully balanced and shaped.
J119 ..... wt. 12 oz. **$20.00**

PATHFINDER. Heavy-duty 5" blade curves upward at tip for skinning. An excellent general use hunting and fishing knife.
J105 ..... wt. 7 oz. **$16.00**

PERSONAL. Mr. Buck's original design has never required alteration. 4½" blade combines upswept point of skinner with slender blade of small game knife.
J118 ..... wt. 6½ oz. **$14.00**

WOODSMAN. 4" straight blade with fine point for cleaning fish or dressing out small game as well as general camp use.
J102 ..... wt. 6 oz. **$13.00**

FOLDING HUNTER. 4" blade pivots on ¼" bearing and has positive lock in open position. Handle is golden-grain Macassar ebony wood with solid brass bolsters and liner cast in one piece. May be carried in pocket or sheath. An ideal heavy-duty outdoor knife for those preferring a folding blade. Overall length when closed is 5".
J110 ..... wt. 8 oz. **$20.00**

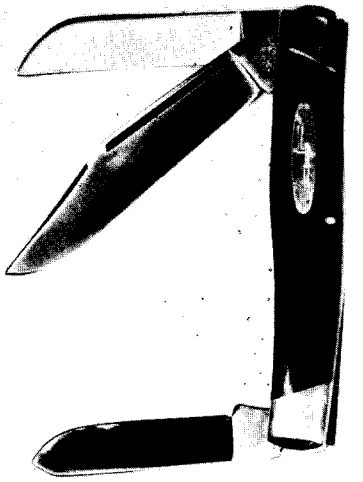
RUSSELL BELT KNIFE. This unusual knife has received many design awards for beauty and function. Handcrafted in Nova Scotia. High carbon Swedish steel blade holds a keen cutting edge. Rosewood handle is secured by three brass rivets. Molded cowhide scabbard. 4" blade.

No. 1. "Standard"—broad blade.
J150 ..... 6 oz. **$17.00**

No. 2. "Trout Knife"—narrow blade.
J151 ..... 3½ oz. **$15.00**

BUCK HONING SUPPLIES. Everything you need to keep your knives shaving sharp.

HONING KIT. Honing oil, Standard Washita stone and Standard Arkansas stone packed in plastic case.
J133 ..... wt. 13 oz. ..... **$ 4.75**
HONING OIL. Promotes abrasive action of stone and speeds up sharpening.
J132 ..... wt. 4 oz. ..... **$ .80**
WASHITA STONE. For fast sharpening.
Standard (1¾" x 4½") Packed in plastic case.
J131 ..... wt. 4 oz. ..... **$ 1.75**
Deluxe (2" x 5") Packed in cedar case.
J134 ..... wt. 8 oz. ..... **$ 6.00**
ARKANSAS STONE. For that final razor edge.
Standard (1-1/8" x 2¾") Packed in plastic case.
J130 ..... wt. 1 oz. ..... **$ 2.50**
Deluxe (2" x 5") Packed in cedar case.
J135 ..... wt. 6½ oz. ..... **$ 9.00**



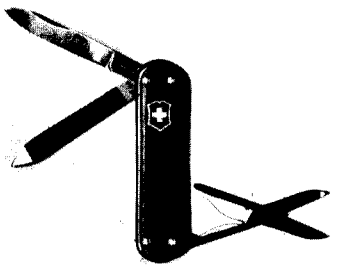
WRANGLER. A hefty, man-sized pocket knife with a lifetime guarantee. Three blades of Buck quality steel. Brass liners, non-slip grips. Longest blade 3½". Overall length closed 4¼".
J127 ..... wt. 4 oz. **$18.00**

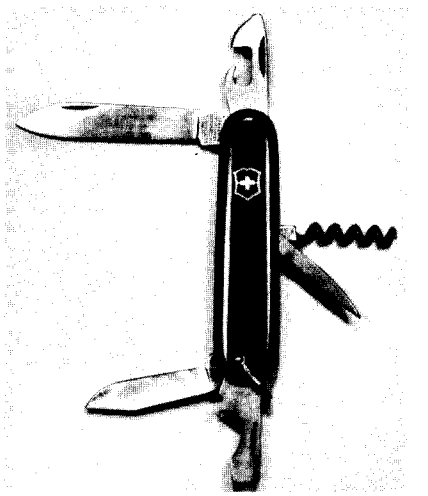
STOCKMAN. Identical to Wrangler except for size. Longest blade is 3". Overall length closed 4".
J120 ..... wt. 3 oz. **$15.00**

CADET. A ¾ version of the Stockman pocket knife. Longest blade is 2½". Overall length closed 3¼".
J123 ..... wt. 1¾ oz. **$12.00**

VICTORINOX SWISS ARMY KNIVES

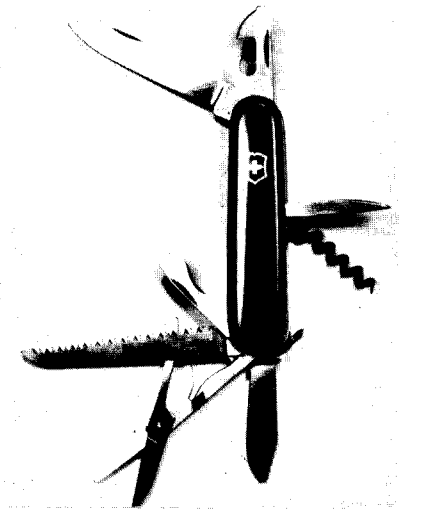
EXECUTIVE SWISS ARMY KNIFE. Diminutive size (2¼" long) conceals a variety of useful functions: Pen Blade, Nail File and Scissors.
J782 ..... wt. ½ oz. ..... **$ 6.50**

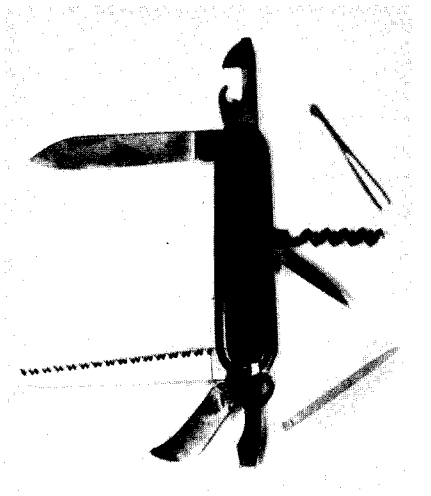




CAMPER. Large blade – small blade – can opener – cap lifter – large screw driver – small screw driver – wire stripper and bender – corkscrew – reamer – lanyard ring.
J800 ..... wt. 2 oz. ..... **$ 9.00**

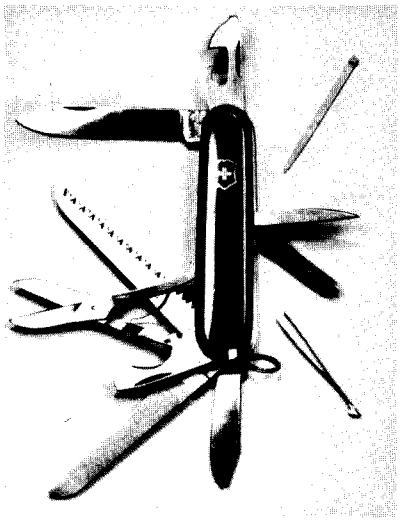
WOODSMAN. Large blade – small blade – can opener – cap lifter – large screw driver – small screw driver – wire stripper and bender – scissors – saw – corkscrew – reamer – lanyard ring.
J801 ..... wt. 4 oz. **$14.50**

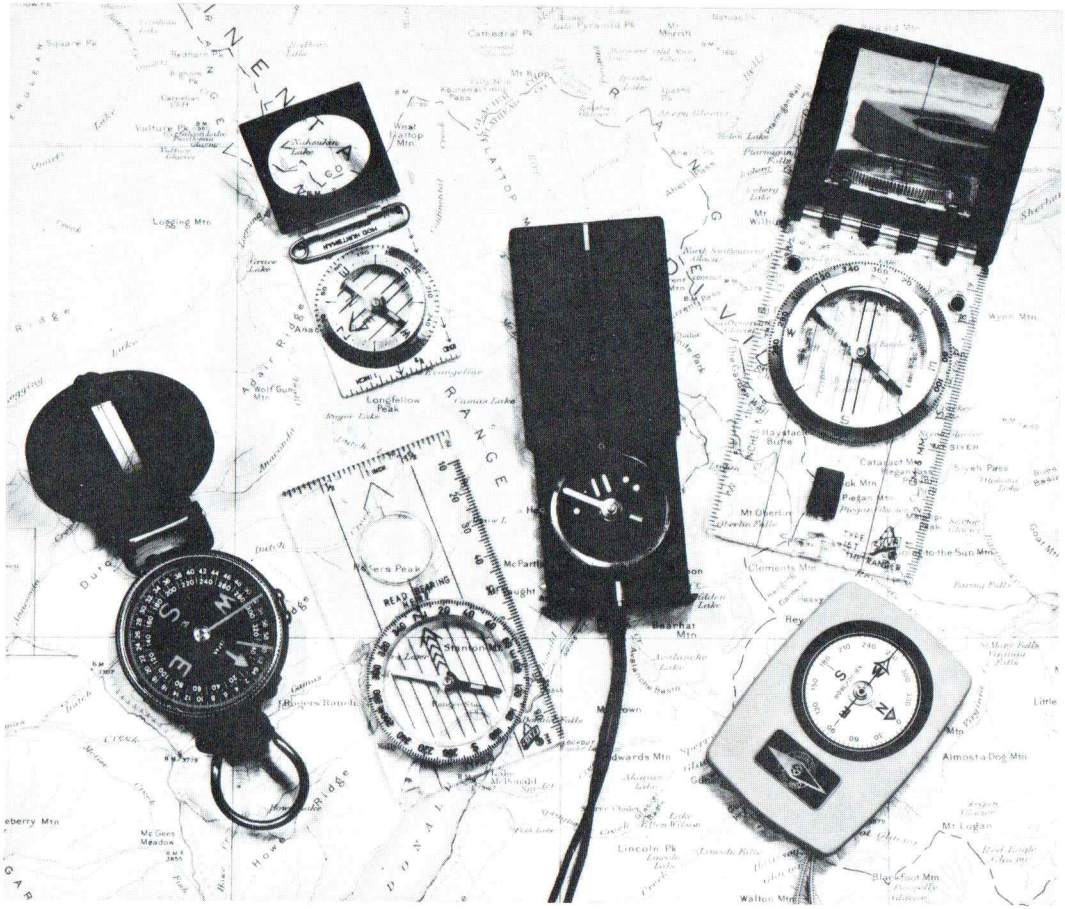




PICNICKER. Large serrated blade – small hooked blade – can opener – cap lifter – large screw driver – small skewer – wire stripper and bender – saw – corkscrew – reamer – toothpick – tweezer – lanyard ring.
J803 ..... wt. oz. **$10.00**

MASTER CRAFTSMAN. Large blade – small blade – can opener – cap lifter – large screw driver – small screw driver – wire stripper and bender – scissors – coarse saw – fine saw – file – Phillips screw driver – reamer – toothpick – tweezers – lanyard ring.
J802 ..... wt. 5 oz. **$18.00**





LENSATIC COMPASS. Engineer's type compass with sighting device for taking azimuth readings. Small magnifying glass gives degree reading off compass face while sighting. Inexpensive, sturdy and lightweight.
J307 ..... wt. 2 oz. ..... **$ 2.75**

SILVA RANGER. Lighting mirror for speed and accuracy. Sapphire jewel bearing. Highly magnetized needle encased in liquid. Luminous points. Waterproof. Appraised by many as the world's best hand compass. Used by surveyors and scientific explorers. Size 4" x 2½" x ¾".
J303 ..... wt. 5 oz. **$15.50**

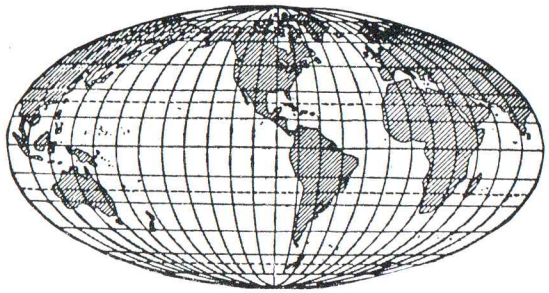
SILVA HUNTSMAN. Sapphire jewel bearing. Liquid filled housing stops needle oscillation within 4 seconds. Luminous points. Waterproof. Closed cover serves as sun dial; open cover shows 360° graduations. Safety pin fastener attached. 1½" x 2" x 3/8".
J300 ..... wt. 1 oz. ..... **$ 6.65**

SILVA PROSPECTOR. Luminous points. Sapphire jewel bearing. Waterproof. Graduated 0° to 360°. Liquid filled housing is fitted into a drawer. Declination can be set off for any area. Closed size 2-5/8" x 1-7/8" x 13/16".
J302 ..... wt. 4 oz. **$15.75**

SILVA EXPLORER III. Sapphire jewel bearing. Liquid filled housing stops oscillation within 4 seconds. Waterproof. Professional quality. Especially for use with maps. Size 2-1/8" x 2-15/16" x ½".
J301 ..... wt. 1½ oz. ..... **$ 5.85**

SUUNTO COMPASS. Excellent bearing compass from Finland. Sighting window with two scales. Simultaneously gives bearings to and from goal. Plastic housing is oil filled to quickly stop oscillation. Luminous north indicator.
J310 ..... wt. 1½ oz. **$13.50**

MAPS



MUIR TRAIL MAPS. U.S.G.S. topographical maps covering the John Muir Trail and related areas from Tuolomne Meadows to Whitney Portal. Maps shipped rolled.
Complete Set (including Yosemite Park Map) ..... **$ 9.25**
Individual Quads
Tuolomne Meadows ..... $ .75
Mono Craters ..... $ .75
Devils Postpile ..... $ .75
Mt. Morrison ..... $ .75
Mt. Abbott ..... $ .75
Blackcap Mtn. ..... $ .75
Mt. Goddard ..... $ .75
Big Pine ..... $ .75
Mt. Pinchot ..... $ .75
Mt. Whitney ..... $ .75
Lone Pine ..... $ .75

MOUNT TAMALPAIS TRAIL MAP ..... **$ .65**

MOUNT McKINLEY MAP. An extremely precise topographical shaded relief map representing many years of careful survey and research. Printed by the Swiss Federal Institute of Topography. ..... **$ 2.00**

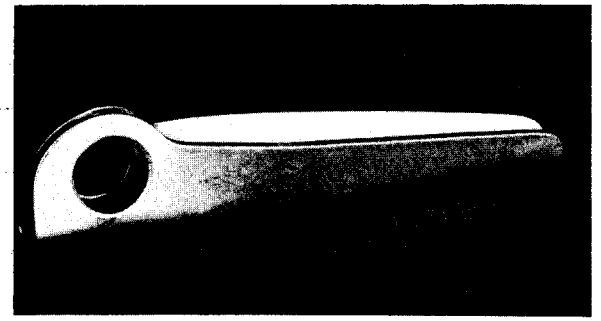
CLEAR CONTACT PLASTIC FOR MAPS. Transparent plastic sheeting with adhesive on one side. Will protect maps against damage from water or wear. Remove paper backing from plastic sheet and apply to map surface with slight pressure. Gross weight with backing: 4 oz. per yard. 18" wide.
Y100 ..... **yard $ .55**

U.S.G.S. MAPS OF NATIONAL PARKS.
Bryce Canyon ..... **$ 1.00**
Glacier Park ..... **$ 1.00**
Grand Canyon ..... **$ 1.50**
Grand Teton ..... **$ 2.50**
Mt. McKinley ..... **$ .75**
Mt. Rainier ..... **$ .50**
Lassen ..... **$ .50**
Rocky Mtn. Park ..... **$ 1.00**
Sequoia/Kings Canyon ..... **$ 1.00**
Yellowstone ..... **$ 1.00**
Yosemite National Park ..... **$ 1.00**
Yosemite Valley ..... **$ 1.00**
Zion (Kolob Section) ..... **$ 1.00**
Zion (Zion Canyon) ..... **$ 1.50**

CANADIAN TOPOGRAPHICAL MAPS
8204 ...Banff, East ..... **$ .50**
8205 ...Banff, West ..... **$ .50**
82N8 ...Lake Louise E/W . **$ 1.00**
MCR211 Waterton Lakes .. **$ .50**
82N/SE .Yoho ..... **$ .50**
82N/NE .Mistaya ..... **$ .50**
82N/SW .Glacier Park ..... **$ .50**
93D ....Bella Coola ..... **$ .50**
92K ....Butte Inlet ..... **$ .50**
92N ....Mt. Waddington .. **$ .50**
92M ....Rivers Inlet ..... **$ .50**
115B/D .St. Elias ..... **$ .50**
MCR204 Jasper Park N. ... **$ .50**
MCR205 Jasper Park S. ... **$ .50**

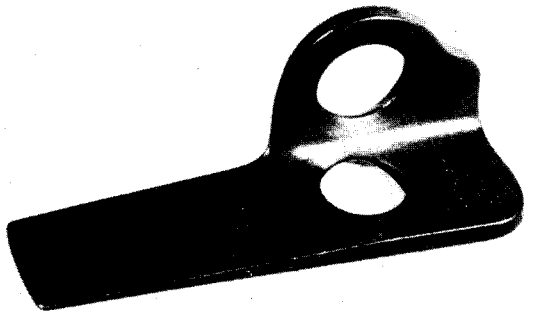
MAP CASES. Clear plastic pouch with slide closure.
G206/1216 ..12" x 16" .. **$ .50**
G206/913 .. 9½" x 13" .. **$ .45**
G206/811 ....8" x 11" .. **$ .30**

CHOUINARD PITONS.



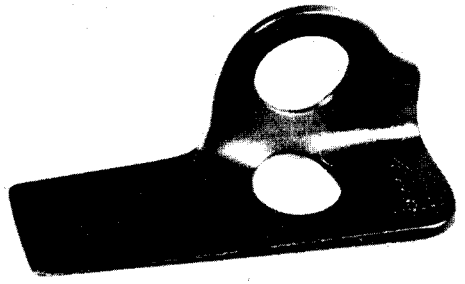
ANGLES

HY102	½"	2 oz.	$ 1.15
HY158	5/8"	2 oz.	$ 1.15
HY034	¾"	3 oz.	$ 1.25
HY010	1"	4 oz.	$ 1.35
HY014	1¼"	4½ oz.	$ 1.50
HY015	1½"	5 oz.	$ 1.75



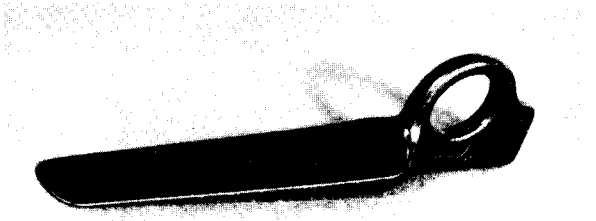
BUGABOOS

HY410	Short thin	1½ oz.	$ 1.65
HY411	Long thin	3 oz.	$ 1.65
HY412	Short medium	3 oz.	$ 1.65
HY413	Long medium	3½ oz.	$ 1.85
HY414	Short thick	3½ oz.	$ 1.85
HY415	Long thick	5 oz.	$ 1.85



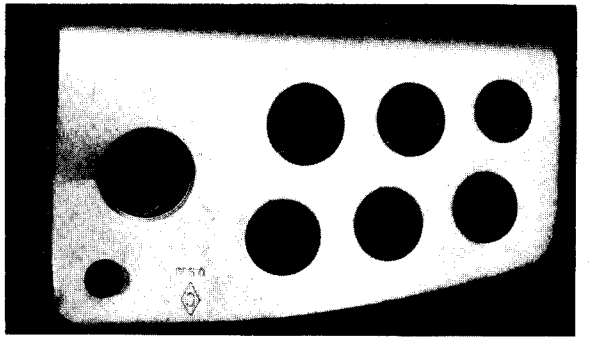
KNIFEBLADES

HY004	Standard	1½ oz.	$ 1.50
HY005	Thick	1¾ oz.	$ 1.50



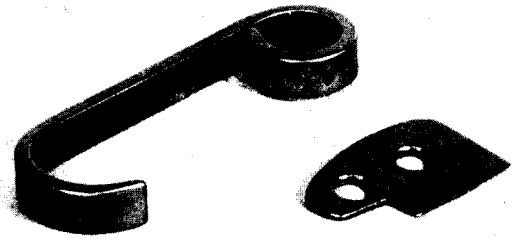
LOST ARROWS

HY401	Short thin	2 oz.	$ 2.25
HY402	Long thin	2¾ oz.	$ 2.25
HY403	Short medium	2¼ oz.	$ 2.25
HY404	Long medium	3 oz.	$ 2.25
HY405	Short thick	2½ oz.	$ 2.25
HY406	Long thick	3¼ oz.	$ 2.25
HY407	Long dong	4 oz.	$ 2.25
HY408	Wedge	3¼ oz.	$ 2.25



ALUMINUM BONGS

HY610	2"	4 oz.	$ 2.60
HY611	2½"	6 oz.	$ 2.85
HY612	3"	8 oz.	$ 3.25
HY613	4"	10 oz.	$ 3.50



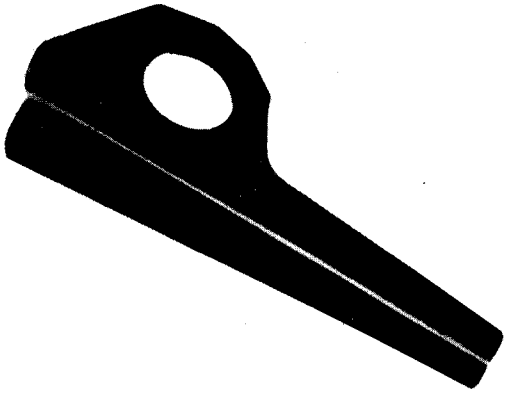
CLIFFHANGER

HY009		2 oz.	$ 1.25

RURP

HY000		¾ oz.	$ 1.10

LEEPER "Z" SECTION PITONS.

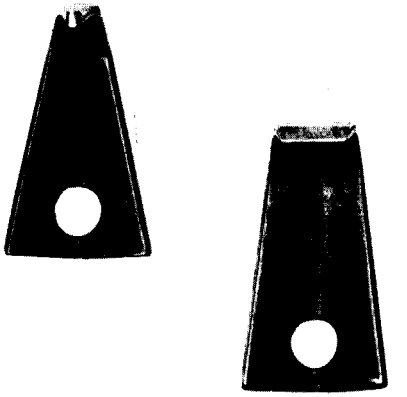


REGULAR LENGTH

HL AA	¼"	wt. 2 oz.	$ 1.50
HL A	5/16"	wt. 2 oz.	$ 1.50
HL B	7/16"	wt. 3 oz.	$ 1.50
HL C	9/16"	wt. 4½ oz.	$ 1.50

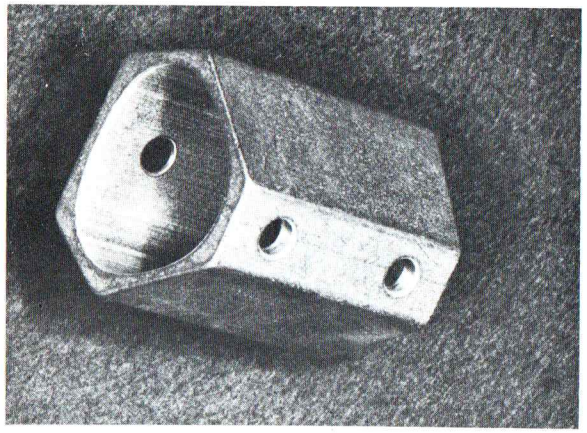
STUBBY LENGTH

HL AS	5/16"	wt. 2½ oz.	$ 1.50
HL BS	7/16"	wt. 2½ oz.	$ 1.50
HL CS	9/16"	wt. 3 oz.	$ 1.50



LOGAN CLIFF HANGER. Three point contact with rock for stability. Will not rotate off hold. Use with ½" tubular webbing.

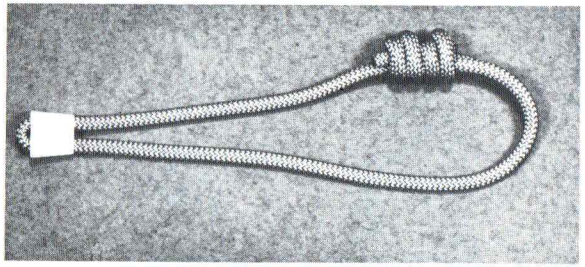
HL401 (Narrow)	¾ oz.	$ 1.00
HL402 (Wide)	1 oz.	$ 1.00



CHOUINARD HEXENTRICS. Six surfaces in cross section. Wedge ends.

HY501	7/16" x 5/8"	*5 mm	¼ oz.	$ .80
HY501/w	wired	*5 mm	¼ oz.	$ 1.85
HY502	½" x ¾"	*6 mm	¼ oz.	$ .85
HY503	5/8" x 7/8"	*7 mm	¼ oz.	$ .90
HY504	¾" x 1"	*8 mm	½ oz.	$ 1.00
HY505	7/8" x 1¼"	*8 mm	¾ oz.	$ 1.10
HY506	1" x 1½"	*9 mm	1 oz.	$ 1.20
HY507	1¼" x 1¾"	*9 mm	2 oz.	$ 1.30
HY508	1½" x 2¼"	*9 mm	2¾ oz.	$ 1.40
HY509	2" x 2¾"	*9 mm	4¼ oz.	$ 1.50
HY510	2½" x 3¼"	*9 mm	6¾ oz.	$ 1.75
HY510-4	2½" x 4"	*9 mm	8½ oz.	$ 2.00
HY510-5	2½" x 5"	*9 mm	10½ oz.	$ 2.30
HY510-6	2½" x 6"	*9 mm	12½ oz.	$ 2.60

* Sling diameter required



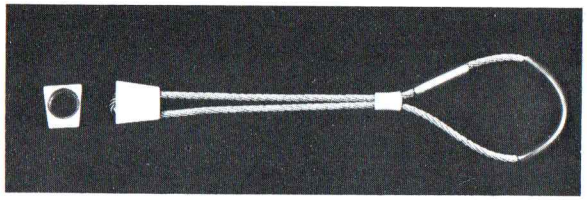
CHOUINARD STOPPERS. Wedge-shaped jam nuts.

Wired

HY701	1/8" x 3/8"	¼ oz.	$ 1.65
HY702	3/16" x 7/16"	½ oz.	$ 1.70
HY703	¼" x ½"	1¼ oz.	$ 1.85
HY704	3/8" x 5/8"	1½ oz.	$ 1.95

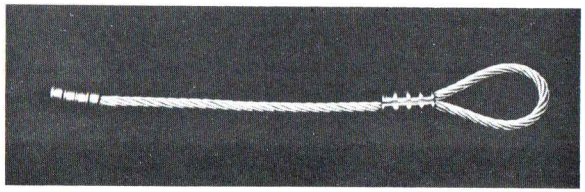
Unwired

HY704/A	3/8" x 5/8"	½ oz.	$ .80
HY705	½" x ¾"	½ oz.	$ .80
HY706	5/8" x 1"	½ oz.	$ 1.00
HY707	¾" x 1¼"	1½ oz.	$ 1.20
HY708	1" x 1½"	1½ oz.	$ 1.35



CLOGWYN WEDGES WITH WIRE SLING.

HCW/W-1	1½ oz.	$ 1.75
HCW/W-2	2 oz.	$ 1.75
HCW/W-3	2½ oz.	$ 1.75
HCW/W-4	3 oz.	$ 1.75



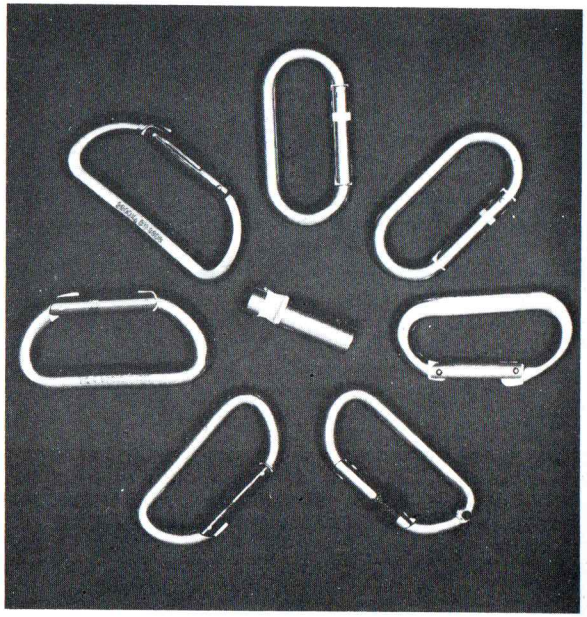
FORREST MOUNTAINEERING COPPERHEAD NUTS. Copper jam-nuts with wire slings.

HF101	3/16" x 7/16"	¼ oz.	$ 1.50
HF102	¼" x ½"	½ oz.	$ 1.50
HF103 long	5/16" x ¾"	1 oz.	$ 1.50
HF103/A short	5/16" x ¾"	¾ oz.	$ 1.50
HF104 long	3/8" x 7/8"	1½ oz.	$ 1.50
HF 104/A short	3/8" x 7/8"	1 oz.	$ 1.50
HF105 long	½" x 1"	2½ oz.	$ 2.25
HF105/A short	½" x 1"	2 oz.	$ 2.25

CHOUINARD CLIMBING SLINGS. Flat 2" sling with rolled section for easy carabiner removal. Sizes: XS, S, M, L, XL.
M104 ..... ave. wt. 4 oz. ..... $ 2.50

ROBBINS BELAY SEAT. A continuous sling of 1" nylon webbing. Seat is strong Ripstop nylon.
M112 ..... wt. 2 oz. ..... $ 5.00

ROBBINS BIVOUAC HAMMOCK. This type of hammock is well established for use on extended climbs on the vertical walls of Yosemite. 1" nylon web and Ripstop nylon. Measures 33" x 62".
M114 ..... wt. 7 oz. $13.00



OVAL CARABINER. Aluminum alloy. Tests about 2700 lbs.
HK102 ..... wt. 2 oz. ..... $ 2.00

BONAITI OVAL CARABINER. Made to Royal Robbins' specifications. Tests about 3000 lbs.
HK218 ..... wt. 1¾ oz. ..... $ 2.75

CHOUINARD CARABINER. Aluminum alloy. Tests about 4500 lbs.
HK100 ..... wt. 2-1/3 oz. ..... $ 4.00

BONAITI LOCKING BL CARABINER. Aluminum alloy. Tests about 5000 lbs.
HK216 ..... wt. 2-4/5 oz. ..... $ 3.50

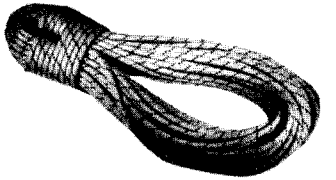
BONAITI BC CARABINER. Aluminum alloy. Tests about 4800 lbs.
HK215 ..... wt. 2¾ oz. ..... $ 3.00

BONAITI HEAVY-DUTY BCX CARABINER. Aluminum alloy with gold anodized gate. Tests about 5500 lbs.
HK217 ..... wt. 3¼ oz. ..... $ 3.40

RENE DEMAISON CARABINER. Extra strong aluminum alloy. Barrel-shaped gate, convex tension bar. Tests about 6380 lbs.
HK105 ..... wt. 3 oz. ..... $ 3.75

ALUMINUM BRAKE BAR. For friction braking on rappels. Machined to fit oval carabiner.
HK300 ..... wt. 1¼ oz. ..... $ 1.00

ROPE



Until a few years ago, climbing ropes were rated on tensile strength—the higher the better. Rope was tested by subjecting it to an increasing load until it snapped. More recently emphasis has been placed on impact strength (the force to which body and rope are subjected at the moment of stress). To protect the body against injury in roped falls, a rope with the lowest possible impact force is desirable.

	Falls Held	Tensile Strength	Impact Force*	Elongation Under Static Load of 100 kt.*	Impact Elongation*	Weight per Meter	Actual Diameter
EDELWEISS 11 mm.	6+	4840	920 kg.	3%	22%	77 gm.	11 mm.
EDELWEISS 10.5 mm.	5+	N/A	950 kg.	3%	22%	66 gm.	10.5 mm.
EDELRID	2	4800	970 kg.	N/A	21%	69.4 gm.	10.7 mm.
CHOUINARD	4+	N/A	1050 kg.	4%	N/A	67 gm.	10.6 mm.

*low value desirable

data obtained from manufacturer's literature

CHOUINARD ROPE. Manufactured by Mammut of preshrunk perlon. Stiffness is right for excellent handling characteristics. Chouinard rope has little stretch under 250 pound loads, making it ideal for prusiking and pendulum use. Under high loads, this rope will stretch to absorb falls. Colors: 9 mm—purple; 11 mm—purple, orange or fantasia.

CP401 ... 11 mm x 150' .... 6 lbs. 12 oz. **$58.00**
CP402 ... 11 mm x 165' .... 7 lbs. 12 oz. **$64.00**
CP411 .... 9 mm x 150' ..... 5 lbs. 4 oz. **$47.00**
CP412 .... 9 mm x 165' ..... 5 lbs. 8 oz. **$51.00**

EDELRID ROPE. Perlon Kernmantle construction. Continuous filaments provide great strength with moderate flexibility. High elasticity for shock absorption. Does not twist or spin. Colors: blue, red or gold.

CP101 . 11 mm x 150' 4800 test ..... 7 lbs. . **$50.00**
CP102 . 11 mm x 165' 4800 test .. 7 lbs. 12 oz. . **$55.00**
CP111 9 mm x 150' 3200 test ..... 4 lbs. 2 oz. . **$36.00**
CP112 9 mm x 165' 3200 test ..... 5 lbs. 2 oz. . **$38.50**

EDELWEISS ROPE. Heavy density perlon. Kernmantle construction combining great strength, elasticity and flexibility. Will not kink. Stiffer mantle provides great dynamic strength and resists abrasion. Colors: blue or red.

CP501 . 11 mm x 150' 4840 test ..... 8 lbs. . **$51.00**
CP502 . 11 mm x 165' 4840 test ... 8 lbs. 6 oz. . **$56.00**
CP505 10½ mm x 150' .... 6 lbs. 6 oz. . **$51.00**
CP506 10½ mm x 165' .... 7 lbs. 2 oz. . **$56.00**
CP511 .. 9 mm x 120' 3740 test ... 4 lbs. 6 oz. . **$31.75**
CP512 .. 9 mm x 150' 3740 test ... 5 lbs. 7 oz. . **$39.75**

PLYMOUTH GOLDLINE CLIMBING ROPE. Gold-colored nylon fiber woven into 3-strand "hard lay" especially for mountaineering use. 7/16" diameter recommended for continuous climbing. 3/8" diameter satisfactory for moderate climbing and most belaying requirements on ice or snow.

CG712 .. 7/16 x 120' 5550 test .... 7-1/8 lbs. . **$31.00**
CG715 . 7/16" x 150' 5550 test ..... 8¾ lbs. . **$41.00**
CG312 .. 3/8" x 120' 4000 test .... 4-1/8 lbs. . **$19.50**
CG315 .. 3/8" x 150' 4000 test ..... 5½ lbs. . **$24.50**
CG716 .. 7/16" bulk .... **per ft. $ .25**
CG308 ... 3/8" bulk .... **per ft. $ .16**
CG014 ..... ¼" bulk 1950 test ..... **per ft. $ .08**

CHOUINARD ACCESSORY CORD. To fit Chouinard chocks.

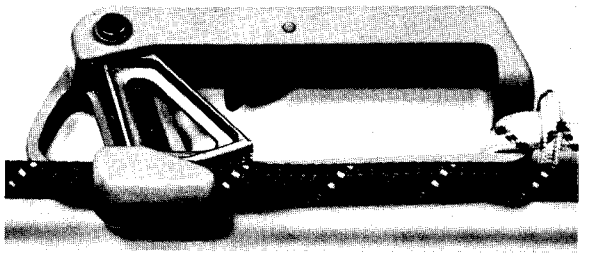
CP421 ..... 5 mm ..... **per foot $ .12**
CP422 ..... 6 mm ..... **per foot $ .15**
CP423 ..... 7 mm ..... **per foot $ .18**
CP424 ..... 8 mm ..... **per foot $ .30**
CP425 ..... 9 mm ..... **per foot $ .32**

CHOUINARD NYLON TUBULAR SLING MATERIAL.

TN001 .... 1" width purple 4100 test **per foot $ .12**
TN096 . 9/16" width .. gold 1000 test **per foot $ .10**
TN012 .... ½" width .. blue 1850 test **per foot $ .05**

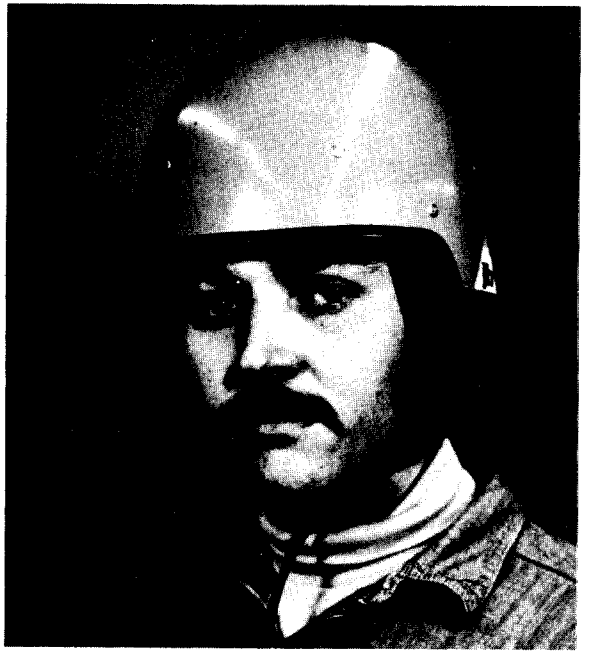
NYLON WHITE TUBULAR SLING MATERIAL.

TN058 ..... 5/8" width 1850 test **per foot $ .08**



JUMAR ASCENDERS. Swiss-made device for ascending ropes. Replaces the use of Prusik knots. Strongly constructed of cast aluminum alloy. Can be used on ropes ¼" to ½" diameter. Used in pairs.

HE103 ..... wt. 14 oz./pr. ..... **pair $35.00**
right or left ..... **each $17.50**



JOE BROWN HELMET. Designed and manufactured by Joe Brown. Meets British Mountaineering Council requirements for impact and shock absorbency. Inner liner is removable for warm weather ventilation. Adjustable design provides a good fit. Small—6½ to 6-7/8, medium—7 to 7¼, large—7-3/8 to 7¾. Colors: red or blue.

HT101 ..... ave. wt. 1 lb. 14 oz. **$21.50**

ULTIMATE HELMET. One size fits all. Helmet designed and manufactured in England. Unique design allows for adjustment in diameter and crown depth. Dense foam protects the head. Color: blue.

HT102 ..... wt. 24 oz. **$21.50**

STUBAI HAMMER. Lightweight head with long point for prying nuts. Hickory handle with perlon loop.
HH205 ..... wt. 20 oz. ..... **$ 5.00**

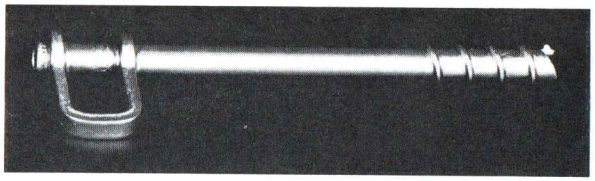
CHOUINARD YOSEMITE HAMMER. Perfectly balanced 18 oz. head is mounted on a handle of American hickory. Blunt pick serves dual purpose: to pound pitons in tight places and to pry when necessary. Each hammer comes with a permanently attached shoulder sling.
HH202 ..... wt. 24 oz. **$16.00**

CHOUINARD ALPINE HAMMER. Long, narrow, drooped pick with serrations at tip for use as an ice dagger on hard ice. Also good for cleaning ice out of cracks and chopping steps at close quarters.
HH201 ..... wt. 22 oz. **$18.00**

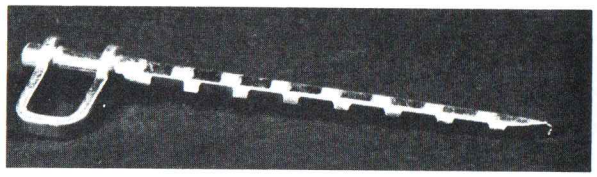
CHOUINARD CRAG HAMMER. Made specially for free climbing. Features a lightweight head and long blunt point for use with chocks. Comes with shoulder sling.
HH203 ..... wt. 26 oz. **$18.00**

LEATHER HAMMER HOLSTER. Riveted construction. Slits for belt. Holster mounts close to belt so it will not twist when pulling hammer out.
HH110 ..... wt. 1½ oz. ..... **$ 1.65**

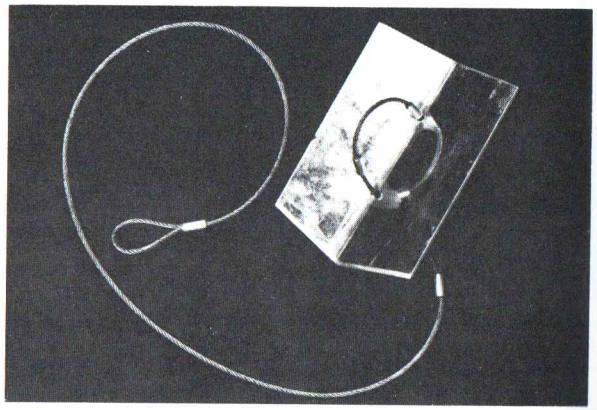
CHOUINARD HAMMER HOLSTER. Riveted leather and plastic. Slits for belt.
HH102 ..... wt. 1½ oz. ..... **$ 3.50**



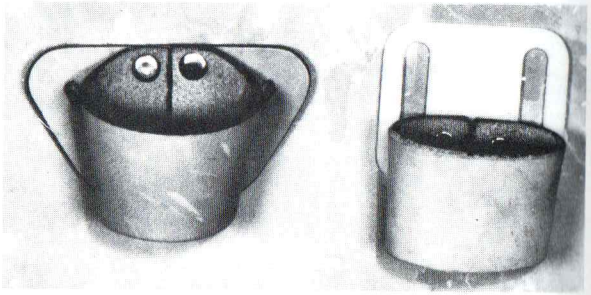
SALEWA HOLLOW TUBE ICE SCREW. A machine-tooled ice screw designed for maximum strength and holding power.
HS905 ..... 21 cm with slits wt. 3 oz. ..... **$ 6.50**
HS906 ..... 25 cm .... wt. 4 oz. ..... **$ 6.00**
HS907 ..... 35 cm .... wt. 6 oz. ..... **$ 7.00**



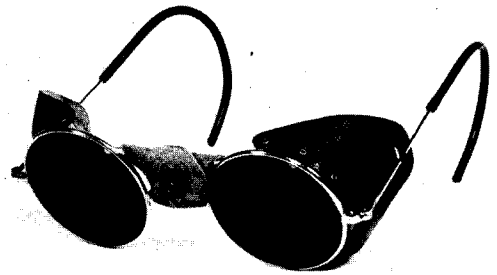
WART HOG. Imported spiral-notched ice piton with superior holding characteristics.
HS200 ..... wt. 5 oz. ..... **$ 8.00**



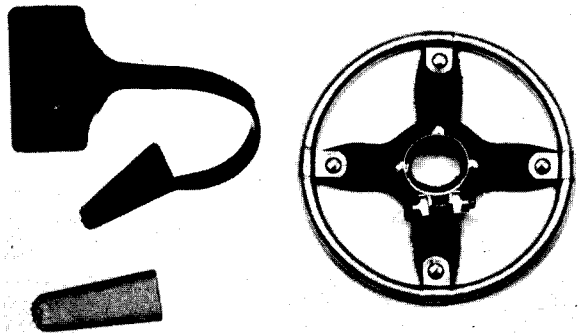
PECK SNOW ANCHOR. Angled aluminum plate with steel cable loop. Provides more security than ice axe belays. Self-adjusting in all directions. Instructions included.
HS100 ..... wt. 14 oz. ..... **$ 6.50**



SAFETY GLASSES. An ideal glass for skiers and climbers. Tough plastic frames with perforated side shields. Green lenses are mounted to prevent glass being driven toward eyes.
ME102 ..... wt. 2 oz. ..... **$ 5.75**



CHOUINARD HIGH ALTITUDE GLASSES. Sturdy wire frame with a dark brown lens for greater filtering of high altitude rays. Leather side shields. Rigid carrying case included.
ME105 ..... wt. 2 oz. **$11.50**

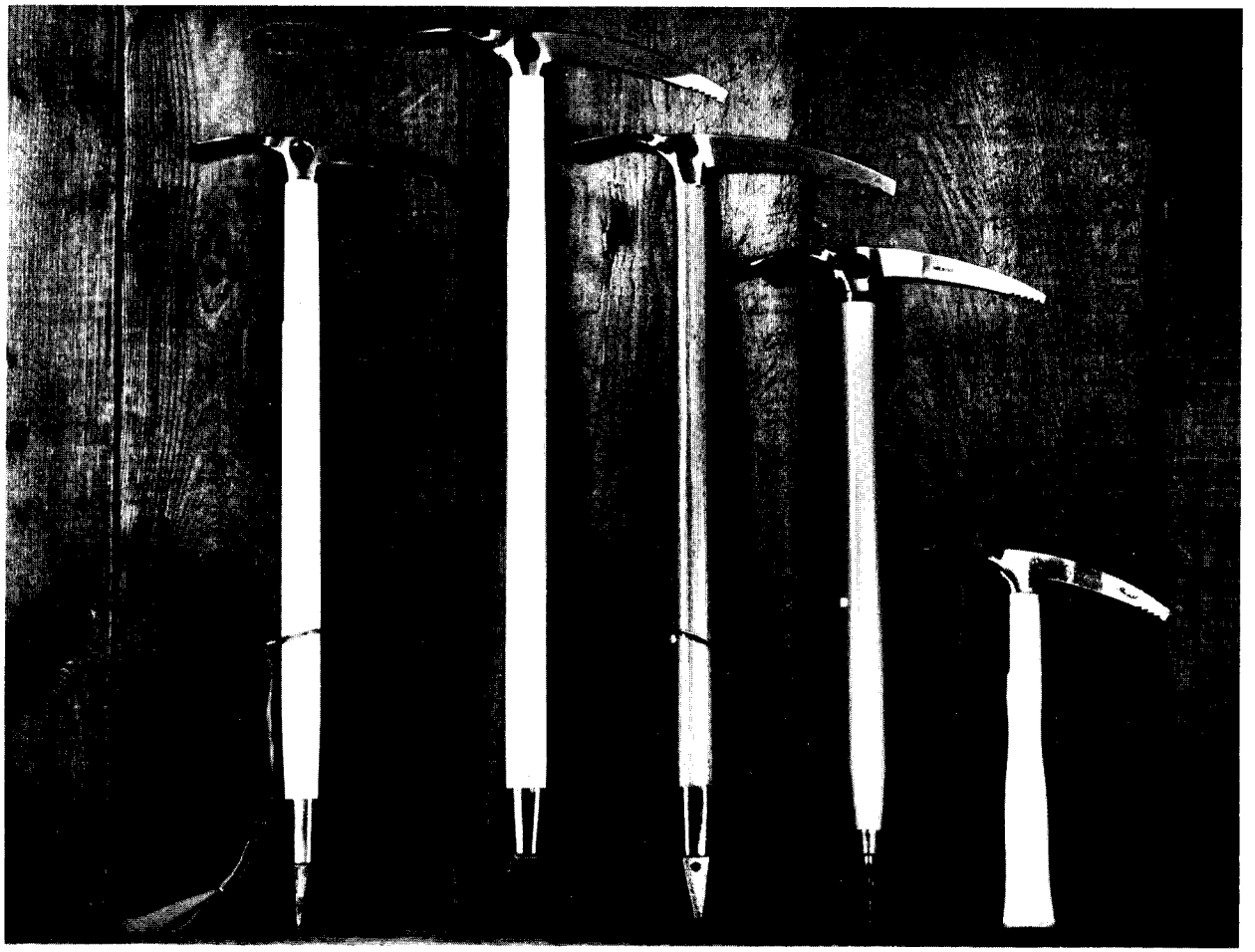


RUBBER COVER FOR ICE AXE HEAD. Molded in one piece. Stretches to fit axe head.
MA221 ..... wt. 1½ oz. ..... **$ 1.50**

ICE AXE RUBBER TIP PROTECTOR. Hard rubber tip, serrated in bottom.
MA222 ..... wt. ¾ oz. ..... **$ .50**

ICE AXE REPLACEMENT GLIDE RING AND STRAP. 1" nylon web strap with aluminum glide ring.
MA225 ..... wt. ½ oz. ..... **$ 1.50**

ICE AXE SNOW BASKET. Screw clamp for quick and easy attaching.
MA226 ..... wt. 2½ oz. ..... **$ 4.50**



NANGA PARBAT "EXTREME" ICE AXE. Lightweight. Thin bladed pick with deeply serrated tip grips well in ice. Short adze provides greater leverage for cutting ice. Carabiner hole. Ash handle. Glide ring with strap. Lengths: 63 cm and 75 to 95 cm in 5 cm increments.
MA202 ..... ave. wt. 28 oz. **$24.00**

CHOUINARD ICE AXE. Forged of nickel-steel. Straight adze. Pick has exaggerated droop with deep notches near tip. Carabiner hole. Laminated bamboo handle.

55 cm—For use on steep ice when not much snow climbing is expected.
MA206 ..... wt. 21 oz. **$35.00**

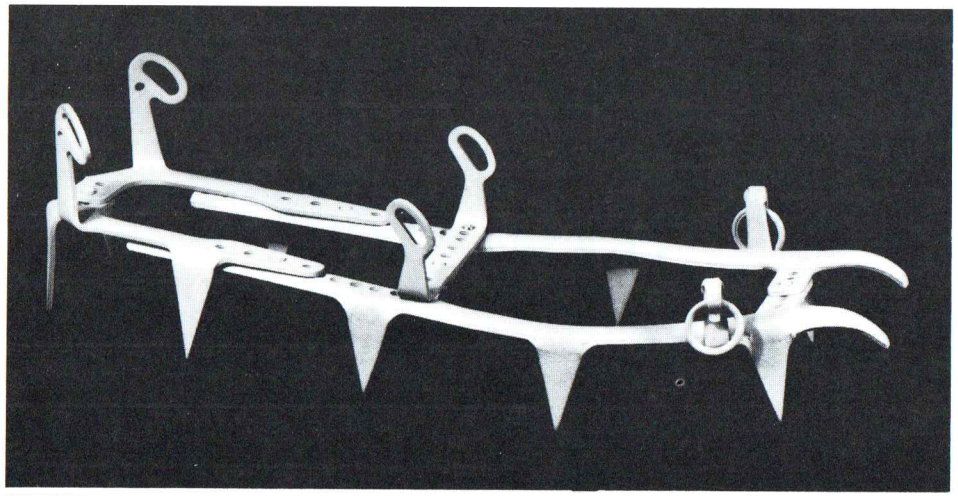
70 cm—For all serious ice and snow climbs.
MA207 ..... wt. 25 oz. **$35.00**

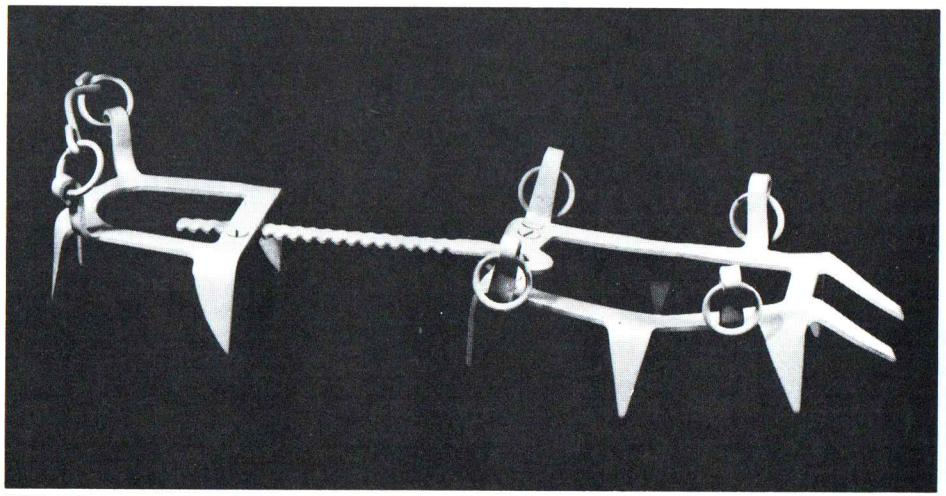
80 cm—For those who prefer a longer axe.
MA208 ..... wt. 29 oz. **$35.00**

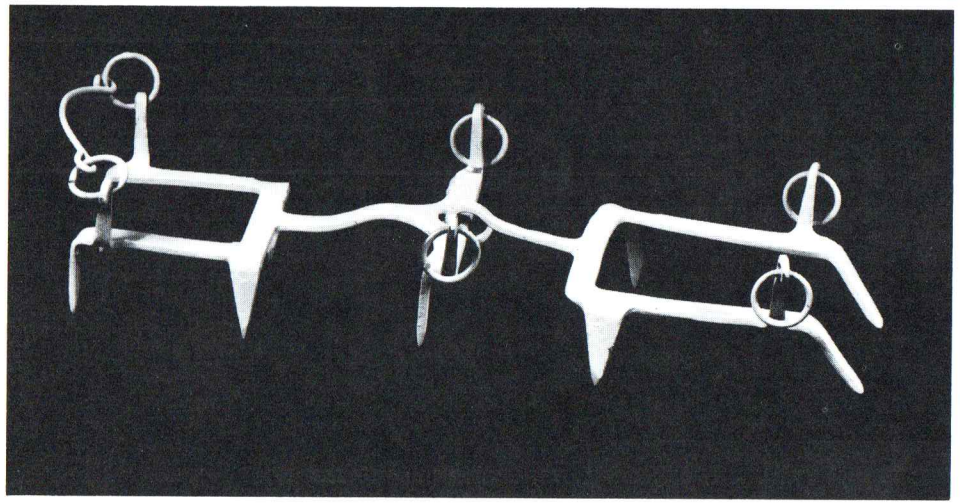
GRIVEL ICE AXE. Laminated handle offers exceptional strength. Superbly forged head. Carabiner hole and uniquely perforated spike. Concave blade. Glide ring with strap. Lengths: 70 cm to 85 cm in 5 cm increments.
MA205 ..... ave. wt. 30 oz. **$32.00**

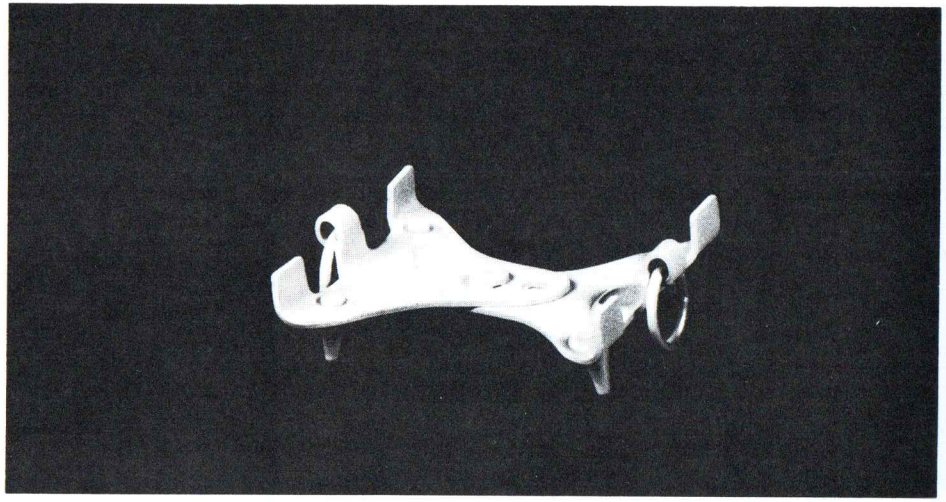
INTERALP ICE AXE. Axe head forged of nickel-chromoly steel. Curved adze. Pick is serrated near tip. Carabiner hole. Aluminum alloy shaft is coated to minimize heat loss while handling. Color of shaft: orange. Lengths: 60 cm and 70 to 90 cm in 5 cm increments.
MA204 ..... ave. wt. 28 oz. **$30.00**

CHOUINARD CLIMAXE. Similar to Chouinard Alpine Hammer, but with an adze for cutting pigeon hole steps in extremely steep ice. Less cumbersome than an ice axe on big mixed climbs.
MA203 ..... wt. 18 oz. **$27.00**









CHOUINARD TWELVE POINT CRAMPONS. Fully adjustable in length and width to provide perfect fit on boot sizes 5 to 14. Rigid design for unexcelled point penetration on technical ice. Points are sized to work equally well on snow or ice. Alloy steel for low-temperature strength. Recommended for highly technical climbs only. Neoprene straps included.
MC700 ..... wt. 31 oz. **$43.00**

SALEWA ADJUSTABLE TWELVE POINT CRAMPONS. Sized to fit any boot, sizes 6 to 13, any width. An exceptionally strong crampon for the most difficult of ice climbing. Send boot outline. Straps not included.
MC612 ..... wt. 22 oz. **$25.00**

GRIVEL TEN POINT CRAMPONS. Non-technical general use crampons. Strong steel alloy. Send outline of boot sole when ordering. Straps not included.
MC401 ..... ave. wt. 22 oz. **$21.00**

STUBAI FOUR POINT INSTEP CRAMPONS. Recommended for limited use where short stretches of ice must be crossed. Adjustable width. Straps included.
MC204 ..... wt. 11 oz. ..... **$ 6.50**

LONGTHONG CRAMPON STRAPS. ½" nylon straps with quick-release buckle. 70" long.
MC101 ..... wt. 3 oz. ..... **pr. $ 3.00**

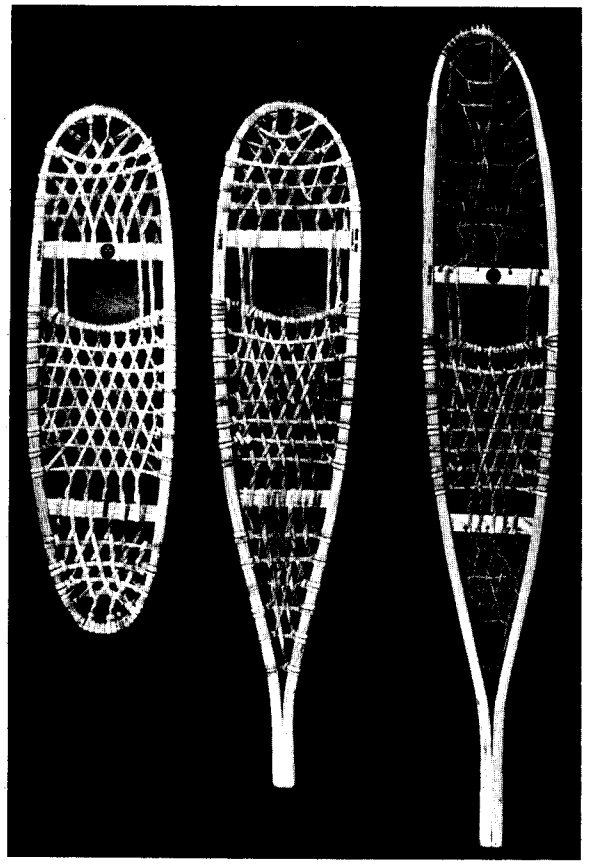
GRIVEL-TYPE CRAMPON STRAPS. ½" nylon webbing. Four pieces, each 41" long.
MC102 ..... wt. 4½ oz. ..... **$ 5.50**

BECK CRAMPON STRAPS. (Professional Model) Tough neoprene/nylon straps will not absorb water or collect ice and will not stiffen. They grip the boot tightly and will not stretch. Four straps, easily removed for use with other crampons. Two sizes: sizes up to 9½ and sizes 10 and larger. Send boot outline.
MC103 ..... size 1 .... wt. 8 oz. ..... **$ 6.00**
MC104 ..... size 2 .... wt. 8 oz. ..... **$ 6.50**

CHOUINARD CRAMPON STRAPS. Four two-piece neoprene straps. Attached to crampon with slide fasteners.
MC106 ..... wt. 7 oz. ..... **$ 6.50**

CRAMPON SPIKE PROTECTOR. Unit-molded rubber will stretch to cover points of various sized crampons.
MC105 ..... wt. 2½ oz. ..... **$ 2.50**

TUBBS SNOWSHOES. Selected ash with varnished rawhide or neoprene lacing. Preferred by most veteran snowshoers.



GREEN MOUNTAIN BEARPAW. 10" x 36". The most versatile design. Easy for the beginner and a favorite among professionals. Excellent maneuverability in brush or rough terrain. Choice of lacings.
K120 ..... rawhide .. wt. 5 lbs. 6 oz. **$42.50**
K123 ..... neoprene .. wt. 5 lbs. 5 oz. **$36.00**

MICHIGAN CROSS COUNTRY. 10" x 46". Same basic design as Green Mountain Bearpaw with the addition of a tail for reducing drag and increased stability. Choice of lacings.
K122 ..... rawhide .. wt. 5 lbs. 5 oz. **$42.50**
K123 ..... neoprene .. wt. 5 lbs. 5 oz. **$36.00**

ALASKA TRAPPER. 10" x 56". A long narrow shoe with 10" tip at toe. Excellent trail shoe for deep, light powder. Rawhide lacing.
K124 ..... wt. 5 lbs. 11 oz. **$44.00**

NOTE: Snowshoes are oversize for Parcel Post and will be shipped via UPS.

BECK "STANDARD" SNOWSHOE BINDINGS. Traditional strap arrangement utilizing neoprene/nylon. Lasts for years and will not stretch. Standard size: sizes up to 9; Large size: size 9½ and up.
K127 ..... wt. 10 oz. ..... **$ 7.50**

BECK "SPECIAL" SNOWSHOE BINDINGS. Tough, riveted neoprene/nylon grips boot. Does not ice up or stiffen and will not stretch. Special toe section prevents toe of boot from slipping forward on steep descents. Standard size: sizes up to 9; Large size: size 9½ and up.
K126 ..... wt. 14 oz. **$11.00**

TRAILWISE 9" GAITERS. Snug elastic grip above and below the ankle. Made of waterproof nylon duck. Adjustable nylon underarch cord. Nylon zipper.
A116/9 ..... wt. 6½ oz./pr. ..... **$ 8.75**

KARRIMOOR GAITOR. English gaiter of cotton canvas keeps snow out of your boots and extends a full 15" in height to protect lower leg. Non-freezing nylon zipper in back of gaiter. Top ties and underarch strap.
A117 ..... wt. 11 oz. **$10.00**

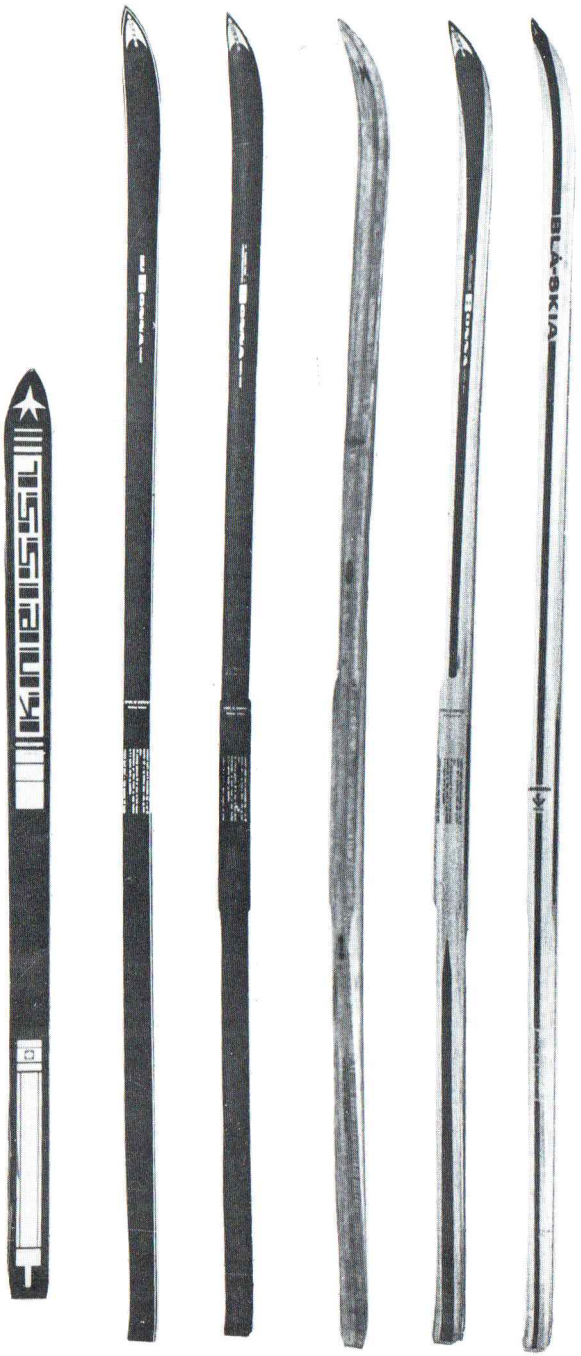
SUPERGATORS. The Pete Carman Supergator covers the boot, right down to the welt, keeping feet dry and serving as a double boot. A wire cable cinches gaitor at boot welt so that boot is covered and insulated and lug sole is free for climbing. Waterproof nylon is used on foot area with breathable nylon for leg area. Summer model is lined with wool/rayon felt—winter model with deep pile dacron. Color is blue and orange. Sizes correspond to circumference of welt: S-15", M-17½", L-20½", XL-23".
A118S Summer ..... wt. 16 oz./pr. **$25.00**
A118W Winter ..... wt. 20 oz./pr. **$27.00**

KLEPPER

KLEPPER FOLDBOATS have been sailed across the Atlantic Ocean twice—a marvelous feat for a boat that can be carried by one man, stowed in the trunk of a car, and erected in 15 minutes. The secret is in the Klepper engineering. This remarkable craft has been in the process of perfection for over 50 years. The individual parts, straight-grained mountain ash with anodized aluminum fittings, lock into a tight and flexible framework. The hull is a tough laminate of rubber and canvas, fitting perfectly over the frame.

Undoubtedly the finest of their breed, Klepper foldboats have been a standard on many expeditions to the arctic and tropic regions of the world. Klepper models include single and double seat kayak, row boats, motor boats, and sailing sloops. All Klepper foldboats are equipped with built-in air sponsons which render them unsinkable.

For prices and information on Klepper boats (including rigid fiberglass shells and accessories), please write to us for illustrated brochure.



KNEISSL MOUNTAIN SKI. This short alpine ski was originally designed for the Austrian army as a ski mountaineering ski that would be lighter and shorter than normal, yet give good flotation in soft snow as well as holding power on hard ice. This fiberglass ski performs reasonably well under most mountaineering conditions except for climbing in very deep snow. Excellent for descending late spring and summer snow fields. Plastic running surface. Metal edges. Length 170 cm.
K106 ..... wt. 8 lbs. 4 oz. **$139.00**

BONNA MOUNTAIN SKI. A wide 60 mm. ski for mountaineering use. Laminated hickory with a hickory sole and metal interlocking edges. Excellent for climbing steep icy slopes and for descending under alpine conditions.
K102 ..... ave. wt./pr. 6 lbs. 8 oz. **$55.00**

BONNA 2400 GENERAL TOURING SKI. An excellent general touring ski for use in rugged territory, strong enough for deep snow yet light in weight. Made of laminated hickory with lignostone edges. Width: 58 mm., length: 180 to 220 cm. Recommended binding: Tempo.
K103 ..... ave. wt./pr. 5 lbs. 9 oz. **$45.00**

MADSHUS BIRKEBEINER SKIS. A beautiful cross country ski from Norway. Hand matched pairs with identical grain pattern, weight and flex for each ski. The Birkebeiner is not varnished to seal the ski surface, but is thoroughly impregnated with oils and tar to preserve the natural quality of the wood and to give maximum lamination protection. Hickory top and sole with lignostone edges. Thirty laminations. Use on moderate terrain. Width: 50 mm., length: 190 to 215 cm.
K107 ..... ave. wt./pr. 4 lbs. 6 oz. **$49.00**

BONNA 1800. A general cross country ski with rounded profile for use in moderate terrain and on trails. Five-layer construction with hardwoods surrounding softwood core. Balsa channels at center of core. Hickory sole with lignostone edges. Width: 49 mm., length: 180 to 220 cm.
K104 ..... ave. wt./pr. 4 lbs. 8 oz..... **$46.00**

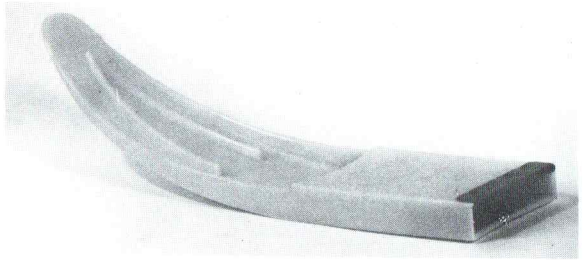
LANGRENN BLA-SKI. A very light cross country racing ski. This ski has all of the qualities of the best racing skis. Five-layer construction of birch and balsa. Full hickory sole and lignostone edges. Extreme racing camber. Width: 47 mm., length: 190 to 215 cm. Limited quantities available.
K105 ..... ave. wt./pr. 3 lbs. 8 oz..... **$60.00**

JARVINEN OLYMPIA POLES. An excellent bamboo cross country pole, strong and springy. Curved tip. 4" diameter baskets, leather grips and straps. Lengths: 130 to 160 cm.
K110 ..... ave. wt./pr. 18 oz. ..... **$ 8.00**

SCOTT ALUMINUM TOURING POLES. Strong and light. Reputed to be the best American touring pole available. Shaft is aircraft aluminum. Plastic grips, leather straps. 4¼" diameter baskets. Lengths: 44" to 58".
K111 ..... ave. wt./pr. 1 lb. **$20.00**

SKI TOURING BASKETS. Large diameter baskets for positive placement in unpacked snow.
K115 ..... wt. 4 oz./pr. ..... **$ 2.00**

Note: Skis and poles are oversize for Parcel Post and will be shipped via UPS.



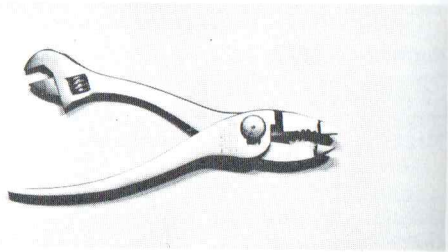
PLASTIC SKI TIP. A lightweight, readily attached tip for use in emergencies when ski is broken. Send width of ski at tip.
K101 ..... wt. 3 oz. ..... **$ 3.00**

EQUIPMENT CHOICES

FOR SKI MOUNTAINEERING:
Skis: A wide 60 mm heavy ski with metal edges, i.e. Kneissl mountaineering ski, Bonna Mountain Ski.
Bindings: A binding providing strong heel attachment, possibly with safety release, i.e. Silvretta, Steckbacken, Marker Touring Plate, Ramy Securus.
Boots: A heavy boot with lateral support, i.e. Minaret.

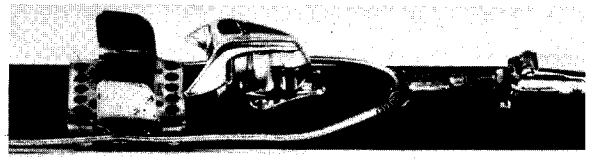
FOR HEAVY SKI TOURING:
Skis: A 55-58 mm width ski with lignostone edges, i.e. Bonna 2400.
Bindings: A binding with a cable-type attachment, i.e. Tempo, Cortina.
Boots: A high boot that is light, with a flexible sole, i.e. Alfa Touring Boot.

FOR CROSS COUNTRY:
Skis: A 52 mm or narrower ski with lignostone edges, i.e. Bonna 1800, Bla-Ski, Madshus.
Bindings: A toe-pin-type binding, i.e. Troll, Rottefella.
Boots: A light touring or racing boot, i.e. Alfa X-C boot, Norrona, Jette Racing Shoe.

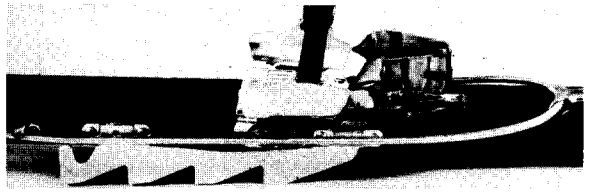


COMBINATION TOOL. 4 inch adjustable wrench, slip joint wire cutting plier and screwdriver, combined. Chrome plated.
K600 ..... wt. 5 oz. ..... **$ 4.50**

DETAILS FOR CROSS COUNTRY SKIS				
	Average Weight	Width Underfoot	No. of Laminations	Running Surface
Ski Mountaineering and Heavy Touring				
Bonna Mountain	6 lb 8 oz	60 mm	26	Hickory Metal Edge
Kneissel	8 lb 4 oz	74 mm		Plastic Metal Edge
Bonna 2400	5 lb 9 oz	56 mm	28	Hickory Lignostone
Light Touring and Cross Country				
Madshus Birke Biner	4 lb 6 oz	50 mm	30	Hickory Lignostone
Bonna 1800	4 lb 8 oz	49 mm	26	Hickory Lignostone
Superlight Touring and Racing				
Bla-Ski	3 lb 8 oz	46 mm	28	Hickory Lignostone

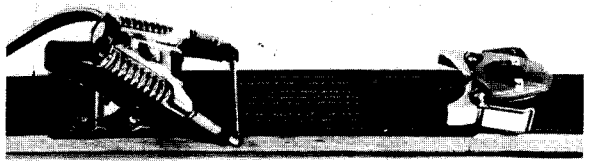


MARKER TOURING PLATE ATTACHMENT. A toe plate for converting downhill skis for touring. The plate must be bent for the individual skis and boots. Snaps on and off. Complete with cable guides.
K211 ..... wt. 12 oz. ..... **$ 3.25**

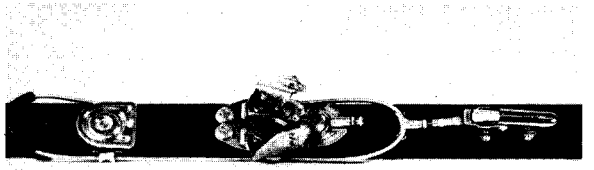


MARKER STECKBACKEN TOURING ATTACHMENT. Snaps on and off with ease. A quick adapter for converting downhill skis for touring. Fully adjustable; fits any boot. Use only in combination with Marker toe and a front throw cable.
K210 ..... wt. 10 oz. ..... **$ 7.25**

HARSCHEISEN. Useful on the more difficult ski-mountaineering ascents for conditions of extreme windpack and ice.
K302 ..... wt. 5 oz. ..... **$ 4.50**

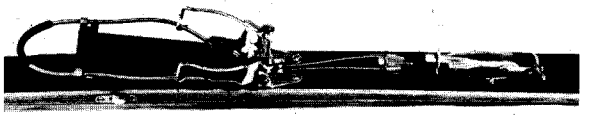


MARKER TOURING HEEL. An adaptation of Marker Rotomat for ski mountaineering. Large nylon hinge locks for downhill skiing and frees heel for touring. Works best with Marker M-4 toe.
K212 ..... wt. 2 lbs. **$40.00**



RAMY-SECURUS BINDING. A French made safety touring binding providing the desirable characteristics of toe-irons or touring attachment. Combined with a safety toe release. Fully adjustable tension setting. Complete with front throw cable binding.
K202 ..... wt. 31 oz. **$26.50**

SILVRETTA BINDING. A heavy-duty touring binding. Excellent for ski mountaineering. Easily converts for downhill skiing with double cable hooks. Pivots forward to a 90-degree maximum angle. The binding is designed to allow use of mountaineering boots on skis. Ideal for mountaineering and heavy touring skis.
K204 ..... wt. 25 oz. **$25.00**

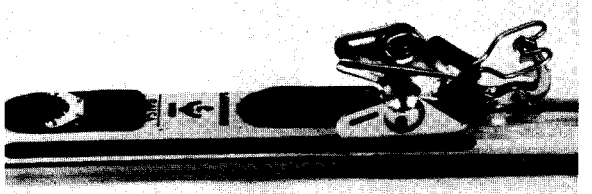


SILVRETTA BINDING WITH PLATE. The plate increases lateral stability.
K205 ..... wt. 36 oz. **$35.00**

JOFA CORTINA. Simple cable touring binding with front throw. For heavy touring skis 55 cm and up. State shoe size when ordering.
K206 ..... wt. 18 oz. ..... **$ 9.75**

TEMPO TOURING BINDING. A simple and sturdy Norwegian binding. For use on regular cross-country and general touring skis. Fits all skis 55 mm and up. Two sizes: women's fits up to size 7½, men's up to size 13.
K201 ..... wt. 25 oz. ..... **$ 9.75**

TROLL BINDINGS. Norse-made standard three-pin binding with very strong front clip. Used only with light touring or racing shoes. Widths: narrow and wide.
K203 ..... wt. 7 oz. **8.25**

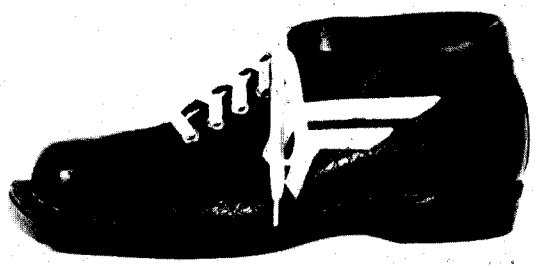


ROTTEFELLA FENIX. A Norse made standard three-pin cross country binding for use with cross country shoes and light racing skis. Widths: N & M. State shoe size when ordering.
K207 ..... wt. 6 oz. ..... **$ 8.25**

MINARET SKI MOUNTAINEERING BOOT. An imported combination boot that is supple and comfortable for touring yet readily serves for downhill skiing. Made of pebble-grained black leather with shallow-tread Vibram lug soles for ski-climbing. Inner speed-lacing. Hinged heel allows forward flexibility. For men and women. Sizes 6 to 14; widths medium and wide.
B202 ..... ave. wt. 5 lbs. **$40.00**

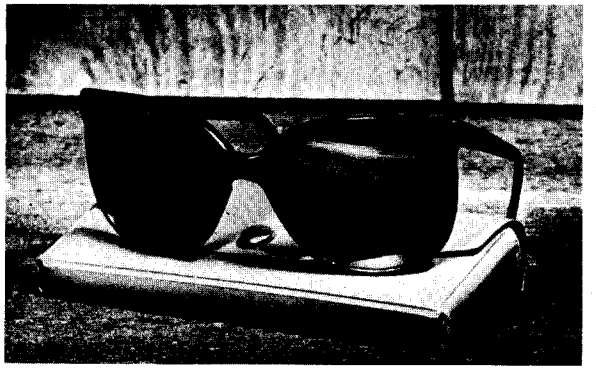
ALFA TOURING BOOT. A light and supple boot designed for use with heavier skis. Rubber molded sole with leather uppers. Double tongue and lace construction. Pre-drilled for standard three-pin bindings and heel grooved for cable bindings. Sizes 6 to 13; width medium.
B204 ..... ave. wt./pr. 2 lbs. **$33.00**

ALFA X-C BOOT. A lightweight low-cut boot for use with light skis. Molded rubber soles, leather uppers, padded vinyl tongue. Pre-drilled for standard three-pin bindings and notched heel for downhill skiing. Excellent for general use. Sizes 6 to 13; width medium.
B203 ..... ave. wt./pr. 2 lbs. **$33.00**



NORRONA. A general recreational cross country shoe with stitched composition sole, unlined, made with full grain cowhide, steel shank, and sealed inseam. Moderately light with good flexing qualities. Sole comes pre-drilled for three-pin bindings. Sizes 35 to 48.
B207 ..... ave. wt. 32 oz. **$40.00**

JETTE SUPER. One of the best competition boots made. Very thin upper with leather sole, rubber heel, and light padding at the ankle top. It should be reserved for competition use. Top grade white leather. Limited supply. Sizes: 40 to 47.
B206 ..... ave. wt. 28 oz. **$40.00**

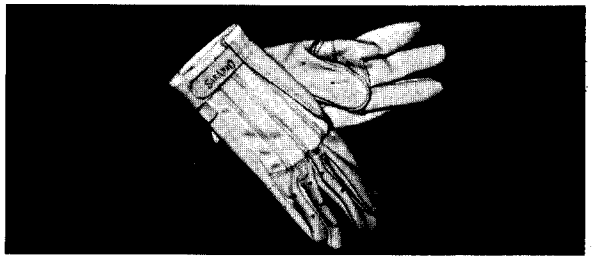


VAURNET SUNGLASSES. Designed for use in both flat and bright light conditions at all altitudes. Tempered and treated with a cadmium coating to screen infra red and ultra violet rays. Anti-fog stick included.
ME103 ..... wt. 2 oz. **$18.50**

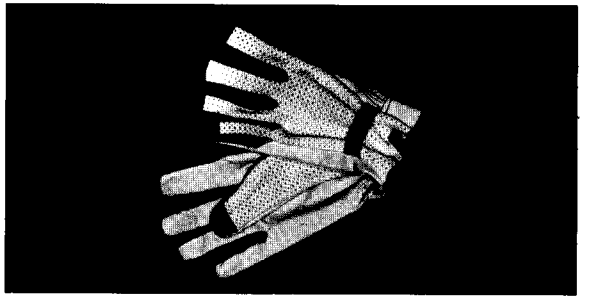
BONN SOLE PROTECTORS. For use with X-C racing bindings only.
K300 ..... **set of 8 $ .75**

POP-UPS. Prevent heel from freezing to ski.
K301 ..... wt. 2 oz. ..... **pr. $ .85**

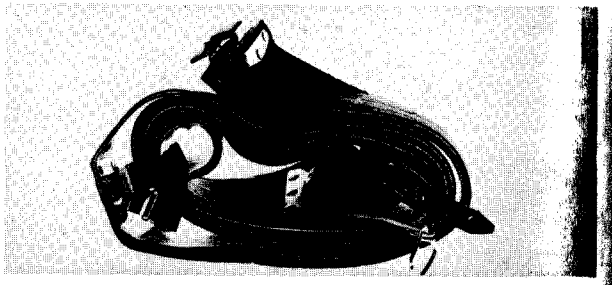
GREI HEEL PLATE. Metal and rubber. Helps prevent side slip.
K304 ..... wt. 2 oz. ..... **pr. $ 1.25**



SARANAC GLOVE. Excellent racing glove. Leather with stretch nylon mesh back. Reinforced palm. Velcro wrist adjustment. Sizes: S, M, L.
A525 ..... wt. 3½ oz. **$11.00**



SWEDISH RACING GLOVE. White leather with nylon mesh black and blue trim. Elastic at wrist. Sizes: 8 or 10.
A526 ..... wt. 2 oz. **$11.50**



VINERSA "SPECIAL" CLIMBERS. Quality heavy plush with nylon backing. Clip-on strap allows skin to remain tight and straight on ski, eliminates strap wear over edge of ski; avoids putting holes in ski. Can be put on and taken off with ease. State ski length when ordering.
K303 ..... ave. wt. 23 oz./pr. **$28.50**

CARE AND WAXING OF CROSS COUNTRY SKIS

PREPARATION

The factory finish on new cross country and touring skis is not suitable as a base for waxing. The skis should be scraped and sanded lightly to remove the finish and then Grundvalla or pine tar should be applied. To apply the Grundvalla base, lay the skis on an elevated bench, bottoms up, in a position that will prevent sliding as the skis are being rubbed. Spread the Grundvalla thinly over the entire base, then pass a lighted torch over the base to burn the Grundvalla into the wood. (Be very conservative with the heat.) Heat until the Grundvalla boils, then wipe away the excess with a cloth. Be careful to avoid charring the skis while heating. A good base job should be smooth and just slightly tacky. If the Grundvalla is applied in a thick coat and not wiped, it will work its way up through the wax when it is applied.

WAXING

Always begin waxing with clean, dry skis. If you wax inside, be sure to allow skis to cool outside before use.

Begin waxing with the coldest wax you think will work. This will prevent the necessity of scraping off a warmer (soft) wax in order to apply a colder (hard) wax. It is a good idea to layer the wax moving from hard to soft. A waxing iron can be useful in warming the surface and smoothing the wax.

The idea behind waxing is to give you both kick and glide. It is easy to wax and obtain either kick or glide, but to obtain a balance it is necessary to choose a wax or combination of waxes which will allow the skis to run freely. This is a matter of experience, and all manufacturers make recommendations as to the conditions under which their waxes should be used.

To remove wax merely scrape it off with a scraper and a little heat from a torch. Some manufacturers sell a preparation to remove wax.

SWIX FOUNDATION TAR. To be heated into the ski with blow torch.
K133 ..... **$1.40**

SWIX ORANGE BASE WAX. A binder wax for hard and crust conditions.
K132 ..... **$ .75**

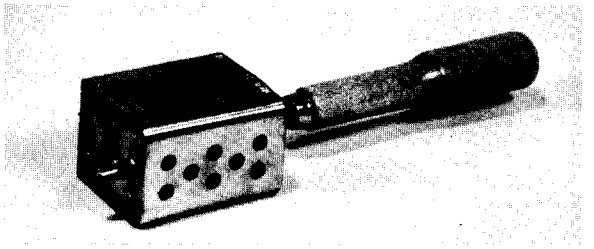
HARD WAXES.
K131/r—Red; new wet and settled snow ..... **$ .65**
K131/b—Blue; fine grain and fresh snow 26° to 32° F **$ .65**
K131/v—Violet; new snow app. 32° ..... **$ .65**
K131/g—Green; fresh and fine grain 14° to 32° ---- **$ .65**
K131/lg—Light Green; new snow 17° F and below **$ .65**
KLISTER WAXES.
K130/r—Red; coarse grain old snow ..... **$ .85**
K130/b—Blue; ice and crusty snow ..... **$ .85**
K130/v—Violet; coarse snow and crust 24 to 37 **$ .85**
K130/y—Yellow; new wet snow ..... **$ .75**

WAXING KIT. One each of red, blue, green and violet hard waxes and one each red and blue klister. Applicator and scraper included. Comes in zippered carrying case.
K134 ..... wt. 20 oz. ..... **$ 6.50**

WAXING CORK.
K137 ..... wt. 1 oz. ..... **$ .70**

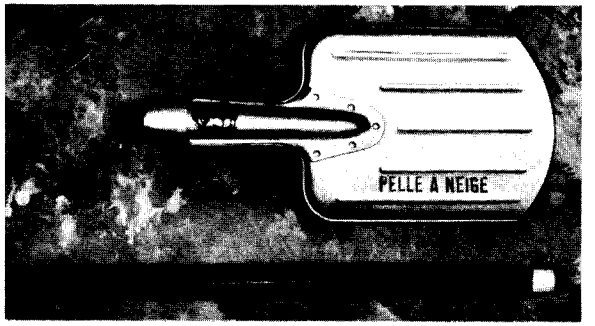
REX SCRAPER FOR WAX.
K138 ..... wt. 1 oz. ..... **$ 1.00**

OPTIMUS WAXING TORCH. Expendable butane cylinder and regulator valve with flame spreader tip.
K140 Complete ..... wt. 13 oz. ..... **$ 9.25**
K141 Butane cylinder only wt. 10 oz. ..... **$ .70**



HEATING IRON. Used for melting wax and warming skis.
K135 ..... wt. 6 oz. ..... **$ 4.50**

FUEL TABLETS FOR HEATING IRON.
K136 ..... package of 10 ..... **$ .45**



ALUMINUM SNOW SHOVEL. Made in France. An invaluable accessory for winter mountaineering. Detachable handle. Ice axe can double as handle. Shovel size: 7½" x 10". Handle: 20"
M209 ..... wt. 23 oz. ..... **$ 6.00**

AVALANCHE CORD. Red Perlon cord with directional marks at 3-meter intervals. 16 meters long.
K500 ..... wt. 3 oz. ..... **$ 2.00**

Books mailed via book rate parcel post are postpaid within the United States. Air Mail, Special Delivery and other modes of shipping will be charged at cost.

NATURAL HISTORY AND ECOLOGY

AN ISLAND CALLED CALIFORNIA. Elna Bakker. An ecological introduction to California's natural communities from coastal redwoods to bristle cone pines; from tidal flats to desert dunes. Illustrated with drawings, diagrams and fold-out map. Photos by Philip Hyde. **$10.00**

READING THE WOODS. Vinson Brown. Seeing more in nature. The effects of climate, weather, animals and man on our forests. Many photographs and drawings. ..... **$ 5.95**

THE SIERRA NEVADAN WILDLIFE REGION. Brown & Livezey. Discusses the Sierra Nevada region as an ecological system; guides to identifying plants, animals; tracks, life zones. Over 400 illustrations. **$ 2.50**

SILENT SPRING. Rachel Carson. An indictment of the chemical mass warfare that is irresponsibly and indiscriminately waged against insects and weeds, and the disastrous consequences. ..... **$ .95**

HAWKS, OWLS AND WILDLIFE. John J. Craighead and Frank C. Craighead, Jr. The dynamics and ecology of raptor predation. **$ 3.75**

HISTORY OF THE SIERRA NEVADA. Francis Farquhar. A highly readable and scholarly history in depth of the great California range. ..... **$ 2.85**

STALKING THE WILD ASPARAGUS. Euell Gibbons. A delightful book on the recognition, gathering, preparation and use of the natural foods that grow wild all about us. Hundreds of detailed recipes. **$ 2.95**

STALKING THE BLUE-EYED SCALLOP. Euell Gibbons. Foraging our native seacoasts for food and pleasure. Includes accurate line drawings and recipes. ..... **$ 2.95**

SINCE SILENT SPRING. Frank Graham, Jr. The story of Rachel Carson's book, the furor it caused, the effect it has had, and the problems that remain unsolved. ..... **$ .95**

BIRDS OF THE PACIFIC STATES. Hoffmann. A bird book for the Pacific states with special attention given to field identification. ..... **$ 7.95**

WILDFLOWERS I: THE CASCADES. Elizabeth Horn. A field guide with color photos, uses and descriptions of selected flowers, plants, and shrubs in the Cascade region. ..... **$ 6.95**

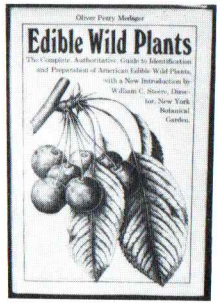
SIERRA NEVADA. Verna R. Johnston. Over a century of accumulated knowledge and field observations provide ecological perspective for a brilliant portrayal of the complex world of the Sierra Nevada. Many photographs. ..... **$ 7.95**

WILD EDIBLE PLANTS OF THE WESTERN UNITED STATES. Donald Kirk. Preparation and uses, habitat and distribution, description and line drawings for 302 listings. Covers the entire western third of the U.S. including the Northwest, Southwest and Rocky Mountain area. ..... **$ 3.95**

THE CALIFORNIA CONDOR. Carl B. Koford. The natural history of the rarest of North American birds. A definitive study. 31 rare photographs of the condor in natural settings. ..... **$ 2.50**

A SAND COUNTY ALMANAC: With Other Essays on Conservation. Aldo Leopold. An enduring statement of principles that should guide our whole conservation program embodied in a gifted writer's sensitive response to the beauty of the natural world. ..... **$ 2.95**

THE SAVORY WILD MUSHROOM. Margaret McKenny. 156 species. Although concentrating on species found in the American Northwest, 89% of the mushrooms described are common to other areas as well. Includes instructions for gathering, drying and selected mushroom recipes. A useful and important guide for anyone considering harvesting the wild mushroom. ..... **$ 4.95**



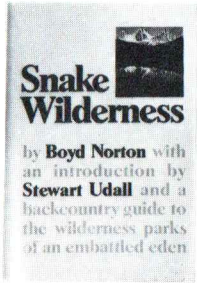
EDIBLE WILD PLANTS. Oliver Perry Medsger. The complete authoritative guide to identification and preparation of American edible wild plants. ..... **$ 2.95**

THE MOUNTAINS OF CALIFORNIA. John Muir. Published in cooperation with the American Museum of Natural History. Muir at his best writing as a conservationist, practicing geologist, and an eloquent essayist. ..... **$ 1.45**

THE YOSEMITE. John Muir. A descriptive guide to Yosemite Nat'l Park by one of its founders and greatest champions. Directions for walks and hikes, descriptions of the park's flora and fauna, its canyons, falls, and peaks. ..... **$ 1.25**

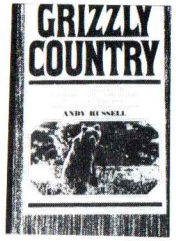
CALIFORNIA MOUNTAIN WILDFLOWERS. Philip Munz. 96 color photographs, 180 line drawings, 2 maps in this colorful and easy-to-use guide. ..... **$ 2.95**

CALIFORNIA SPRING WILDFLOWERS. Philip Munz. Flowers found from the base of the Sierra Nevada and southern mountains to the sea. 96 color photographs, 173 line drawings, 2 maps. ..... **$ 2.95**



SNAKE WILDERNESS. Boyd Norton. One of the largest wilderness areas in the United States outside Alaska lies athwart the Snake River watershed in Idaho. This book traces the natural and human history of the area, defines the issues and makes an eloquent plea for a policy of sane land use. Color illustrations. . **$ 7.95**

BIRDS OF NORTH AMERICA. Robbins, Bruun and Zim. Identify birds quickly and accurately in the field. Full color plates. Complete descriptions, common and scientific names, range maps, etc. ..... **$ 3.95**

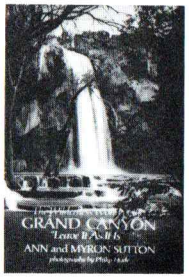


GRIZZLY COUNTRY. Andy Russell. After 40 years of bear-watching, Mr. Russell reveals the natural history of the grizzly, his habitat and range, his habits, his antics, his food, his life cycle and much about his temperament and personality. 32 pages of photographs. ..... **$ 7.95**

COMMON EDIBLE AND USEFUL PLANTS OF THE WEST. Muriel Sweet. Clearly and attractively illustrated descriptive guide to useful plants: includes Indian lore, herbal medicine, food, and other plant uses. 116 drawings. ..... **$ 1.50**

SIERRA NEVADA NATURAL HISTORY. Storer and Usinger. A very complete guide to the flora and fauna of the Sierra Nevada. Fully illustrated with detailed descriptions of plants, insects, fungi, birds, animals. **$ 3.95**

THE WILDERNESS WORLD OF THE GRAND CANYON. Ann and Myron Sutton. An illuminating view of the abuses the Canyon suffers and the dangers it faces. The geologic history and the history of man in the Canyon. More than half the book is devoted to hiking the Canyon's inner trails and the harsh Canyon environment. Fifty stunning black and white photographs by Philip Hyde are among the best of this well-known photographer's work. ..... **$ 8.95**



WILD FOOD PLANTS OF THE SIERRA. Steven and Mary Thompson. The authors describe their experiences with over 50 wild Sierra plants. Line drawings with scale indications. Designed for use in the mountains, cooking instructions are simple and appropriate for campfire preparation. ..... **$ 2.95**

WALDEN AND OTHER WRITINGS. Thoreau. A treasury of Thoreau's great works with introduction by Joseph Wood Krutch. ..... **$ .95**

CALIFORNIA TREE FINDER. Tom Watts. Covers all California species. ..... **$ .50**

THE WILDERNESS SAMPLER. The variety of nature in its many moods in selections from such great writers as Melville, Hardy, Poe, Muir, Twain, Thoreau, and others. ..... **$ 5.95**

PETERSON FIELD GUIDES. Authoritative cross-referenced natural history identification manuals.

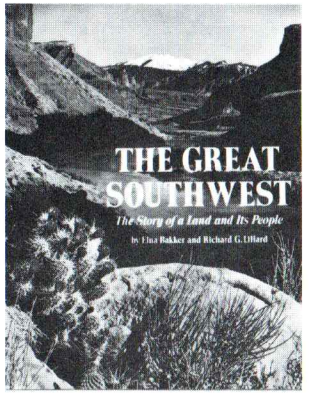
A FIELD GUIDE TO:

WESTERN BIRDS ..... **$ 5.95**
ROCKY MOUNTAIN WILDFLOWERS ..... **$ 5.95**
WESTERN REPTILES & AMPHIBIANS ..... **$ 5.95**
ANIMAL TRACKS ..... **$ 5.95**
MAMMALS ..... **$ 5.95**

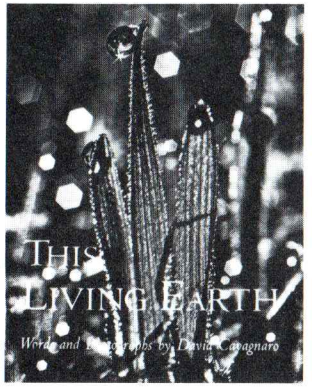
NATURE - PICTORIAL

SLICKROCK – THE CANYON COUNTRY OF SOUTHEAST UTAH. Words by Edward Abbey. Photographs and commentary by Philip Hyde. Sierra Club Exhibit Format Series. A fortunate collaboration between author and photographer. The book is beautifully put together and the text and photographs are informally combined in a superb layout. Immensely readable text tells of the history, the beauty and the danger to this (as yet) unspoiled country. Photographic reproduction is exceptional. **$27.50**

DEATH VALLEY. Ansel Adams and Nancy Newhall. 1970 revised edition. A collection of spectacular photographs in color and black and white by Adams. History and guide to this unique region by Newhall. Large format. . . . . **$ 5.95**



THE GREAT SOUTHWEST: The Story of a Land and Its People. By Elna Bakker and Richard G. Lillard. Published by American West. The exciting panorama of the land of rugged mountains and mesas, desert valleys and awesome canyons. This is the story of the Mexican-American desert; its climate, its intriguing plant and animal life, and the history, prehistory and future of man in the land of space and sun. Large format with hundreds of photographs in black and white and color. **$17.50**



THIS LIVING EARTH. David Cavagnaro. A poetic vision of the grass-roots world of the meadow revealed in 114 color photographs and accompanying text. Cavagnaro is a biologist and the first prize winner of the 1970 Life Magazine Photography Contest. **$17.50**

EVEREST–THE WEST RIDGE. Tom Hornbein. A moving account of the 1963 American Everest Party's first ascent of the West Ridge; from its inception, through the rain forest of Nepal, to its triumphant climax on the starkly beautiful summit ridge. 90 color plates.
Paper . . . . . **$ 3.95**

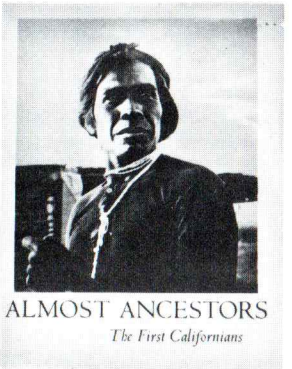
NAVAJO WILDLANDS: As Long as the Rivers Shall Run. Photographs by Philip Hyde. Text by Stephen C. Jett with selections from Willa Cather, Oliver LaFarge and others. Appropriate quotations from the Navajo Creation Myth and from Navajo chants. A book about the land of the Navajo, what man has done to it and for it. What it has been and what it can be. 75 full color photos record the drama and the grandeur of this country.
Paper . . . . . **$ 3.95**

NOT MAN APART. Text by Robinson Jeffers; photographs by Edward Weston and Ansel Adams. Combining the work of the poet with photographers who have been inspired by the Carmel-Big Sur area of the California coast. This book is an eloquent statement of the interdependence of Man and his natural environment. 96 plates, 32 in color. **$25.00**
Paper . . . . . **$ 3.95**

THE ANDES. Takehide Kazami. The mountain empire of the Incas in 72 color photographs and text. . **$ 2.75**

THE HIMALAYAS–A JOURNEY TO NEPAL. Takehide Kazami. 110 beautiful color plates of this little-known land, with accompanying text. Mountains, wildlife, people, customs, etc. Includes maps. An extraordinary value. . . . . **$ 2.75**

EDGE OF A CONTINENT. Don Greame Kelley. The Pacific coast from Alaska to Baja–the shore, the islands and inlets, the forests, the deserts, the mountains, the glaciers, the plants and animals. Over 200 photos, diagrams, drawings and maps. **$17.50**



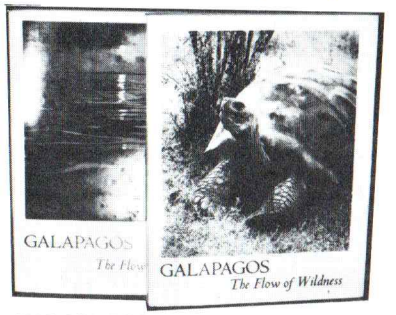
ALMOST ANCESTORS: The First Californians. Theodora Kroeber and Robert Heizer. An informed and deeply compassionate book, about the Indians of California. This Sierra Club publication contains 117 black and white photographs from the archives of the Lowie Museum and the Southwest Museum which exemplify the proud and rugged men, women, and children of the Yokut, Pomo, Yuma, Mojave, Hupa, and other tribes that have now almost vanished. **$15.00**

BAJA CALIFORNIA and the Geography of Hope. Text by Joseph Wood Krutch. Photographs by Eliot Porter. Selections from Octavio Paz. An appreciation of one of the remaining islands of wilderness and hope in provocative text and 72 full color photographs. Fold-out color map at back of book.
Paper . . . . . **$ 3.95**

TIME AND THE RIVER FLOWING –GRAND CANYON. Francois Leydet. The Bureau of Reclamation has proposed the building of dams within the Grand Canyon itself. This would not only destroy the living river, but also unique life forms that depend upon the river. The author of "The Last Redwoods" has turned his reportive talents toward the forces that would needlessly destroy that which cannot be replaced. 100 color plates by many of America's greatest photographers. . . . . **$ 3.95**

GENTLE WILDERNESS – THE SIERRA NEVADA. Text by John Muir, photographs by Richard Kauffman. "A cool Sierra wind blows through Mr. Kauffman's color photographs, a gentle wind. The light is that of the gentle hours, warm light on a friendly, inviting land" (D. Brower).
72 color plates **$30.00**
Paper . . . . . **$ 3.95**

IN WILDNESS IS THE PRESERVATION OF THE WORLD. Eliot Porter. The first of Porter's Exhibit Format books for the Sierra Club, this book is a photographic masterpiece and has won many awards for photo and design excellence. Text from Henry David Thoreau. Introduction by Joseph Wood Krutch. . . . **$25.00**
Paper . . . . . **$ 3.95**

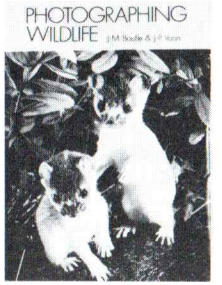


GALAPAGOS – THE FLOW OF WILDNESS. Eliot Porter. This is a two-volume set, enclosed in slipcase, printed in the Sierra Club Exhibit Format. Possibly the most beautiful and comprehensive Sierra Club publication to date, it features 138 full-page color plates by Eliot Porter, which paint a vivid and detailed picture of the rugged scenery and rare animal life of Galapagos. Text by Loren Eiseley and John P. Milton. Historic chronicles by Darwin, Melville, seamen and scientists. . **$55.00**
Paper (2 vols.) . . . . . **$ 8.00**

THE PLACE NO ONE KNEW–GLEN CANYON ON THE COLORADO. Eliot Porter. A Glen Canyon happens only once; there is no scenic climax anywhere that can quite approach it. In its last days, Eliot Porter followed the winding river and delved into its secret places, recording with perceptive camera the beauty he found there. The exquisite color reproductions blend with the timeless text. 72 color plates. **$25.00**
Abridged paperback edition . **$ 3.95**

THE ALPS. Matao Sanuki and Keiichi Yamada. 98 colorful photographs of this beautiful region with brief historical text. Maps. . . **$ 2.75**

THE MIGHTY SIERRA: Portrait of a Mountain World. Paul Webster. The "range of light" revealed in its geological grandeur and beauty. The history of man in the Sierra and its variety of animals and plants. Over 200 illustrations (more than 70 in full color). **$17.50**



PHOTOGRAPHING WILDLIFE. Baufle and Yarin. A practical and technical introduction to wildlife photography and a beautiful book. Packed with useful advice for the photographer. The outstanding color photographs are fascinating to anyone interested in wildlife. . . . **$15.00**

THE COMPLETE BOOK OF NATURE PHOTOGRAPHY. Russ Kinne. By a working naturalist and skilled photographer. Provides information on equipment and technique that will interest and instruct the advanced as well as beginning nature photographer. Photography of rocks, minerals, underwater life, insects, birds, mammals, etc. Many photographs. . . . . **$ 8.95**

CLIMBING TECHNIQUE

MOUNTAINEERING. Alan Blackshaw. Hill-walking to alpine climbing. Approved by the British Mountaineering Association. Fully illustrated. ..... $ 4.95

BASIC MOUNTAINEERING. Henry Mandolf, ed. Excellent guide for the beginner and useful to the more experienced outdoorsman. Equipment selection, cooking, first aid, snow climbing, glacier travel, desert travel, alpine rescue, other related topics. ..... $ 2.50

ON ICE AND SNOW AND ROCK. Gaston Rebuffat. A complete reworking of this outstanding mountaineering book. Up-to-date with new photos and discussions on the latest equipment. Reproduction is outstanding with 58 color photos and 200 in black and white. An exceptional value for the photography alone. $15.00

BASIC ROCKCRAFT. Royal Robbins. Ropes, knots, climbing gear, belays, grips and holds are discussed by this well-known climber and founder of the Rockcraft School of Rock Climbing. Many photos and drawings. ..... $ 1.95

MOUNTAINEERING—THE FREEDOM OF THE HILLS. Seattle Mountaineers. The most complete text on mountaineering technique and mountain environment now available. A partial selection of topics includes the following: equipment, camping, sleeping, alpine cuisine, wilderness travel, navigation, route finding on rock, roped climbing, first aid, mountain weather. Illustrated. ... $ 7.50

ROPES, KNOTS, AND SLINGS FOR CLIMBERS. Walt Wheelock. Descriptions of equipment, rope strengths, care of rope, knots, slings, etc. $ 1.00

CLIMBERS GUIDES

BERNESE ALPS ..... $ 5.50
BERNINA ALPS ..... $ 5.50
DAUPHINE ..... $ 5.25
DENTS DU MIDI ..... $ 5.50
DOLOMITES EAST ..... $ 7.00
DOLOMITES WEST ..... $ 5.75
MONT BLANC VOL. I .... $ 6.00
MONT BLANC VOL. II .... $ 6.75
ORTLER ALPS ..... $ 6.00
PENNINE ALPS VOL. I ... $ 6.25
PENNINE ALPS VOL. II ... $ 6.50

A CLIMBER'S GUIDE TO THE ROCKY MOUNTAIN NATIONAL PARK AREA. Walter Fricke, Jr. Route descriptions and photos. ..... $ 6.00

GUIDE TO THE SANDIA MOUNTAINS. Lawrence G. Kline. Trail and route descriptions. Maps and photos. ..... $ 1.95

GUIDE TO THE COLORADO MOUNTAINS. Robert Ormes, ed. Based primarily on the hundreds of climbing records of the Colorado Mountain Club. Color and black and white photos. Maps. ..... $ 6.00

CLIMBER'S GUIDE TO THE TETONS. Leigh Ortenburger. Routes for the entire Teton range. Short factual history of mountaineering in the Tetons. ..... $ 6.00

CLIMBER'S GUIDE TO THE INTERIOR RANGES OF BRITISH COLUMBIA. William Putnam. Published by the American Alpine Club. 5th edition. Covers the Caribous, Monashees, Selkirks, and Purcells. Route descriptions and photos. ..... $ 7.00

MOUNTAINEER'S GUIDE TO THE HIGH SIERRA. Smatko and Voge, ed. Trail descriptions. 565 named peaks and 580 un-named ones. Flexible totebook format. ..... $ 7.95

CLIMBER'S GUIDE TO PINNACLES NATIONAL MONUMENT. Steve Roper. Maps and route descriptions. ..... $ 2.75

CLIMBER'S GUIDE TO YOSEMITE VALLEY. Steve Roper. Sierra Club totebook with 482 routes. Flexible book with removable pages. Route photos. ..... $ 6.95

CLIMBER'S GUIDE TO THE ROCKY MOUNTAINS OF CANADA. J. Monroe Thorington. An American Alpine Club publication. ..... $ 6.00

DESERT PEAKS GUIDE. Walt Wheelock. Mono, White, Inyo, Coso and Argus ranges. ..... $ 1.00

CLIMBER'S GUIDE TO TAHQUITZ AND SUICIDE ROCKS. Chuck Wilts. ..... $ 3.75

CLIMBER'S GUIDE TO THE OLYMPIC MOUNTAINS. Chapters on climbing routes, high alpine traverses, ski and snowshoe tours and mountain safety. ..... $ 4.95

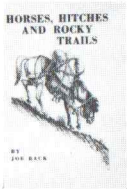
CAMP & TRAIL TECHNIQUE

FREE FOR THE EATING. Bradford Angier. A cookbook showing how to find and feast on 100 wild plants. Over 300 recipes for delicious and wholesome use of wild fruit, greens, roots and tubers, nuts, and beverages. ..... $ 4.95

HOME IN YOUR PACK. A compact wealth of valuable information for the backpacker. ..... $ 1.50

HOW TO STAY ALIVE IN THE WOODS. Bradford Angier. A complete paperback edition of Angier's popular manual of wilderness lore **Living off the Country.** .... $ .95

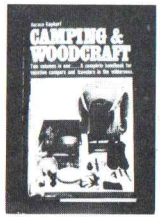
WILDERNESS COOKERY. Bradford Angier. Includes many recipes for outdoor cookery, and a large section dealing with "free eating," listing hundreds of wild fruits and vegetables. ..... $ 1.95



HORSES, HITCHES, AND ROCKY TRAILS. Joe Back. A collector's item, this book was written and illustrated by an artist who is also a professional packer with the wit and savvy of the traditional pioneer. $ 5.00

FOOD FOR KNAPSACKERS. Hasse Bunnelle. Fully revised Sierra Club Totebook for menu planning, cooking procedures and equipment choices. ..... $ 1.95

LIGHTWEIGHT CAMPING EQUIPMENT AND HOW TO MAKE IT. Cunningham & Hanson. Materials, patterns and sewing for packs, sleeping bags, tents, clothing, including high altitude climbing gear. Illustrated. ..... $ 2.25



CAMPING AND WOODCRAFT. Horace Kephart. An encyclopedia of living in the open, and an invaluable guide for the novice as well as the experienced woodsman. Many illustrations. ..... $ 6.95

BE EXPERT WITH MAP AND COMPASS. Bjorn Kjellstrom. Clear and complete instructions on the use of maps and compasses. ..... $ 3.50

BACKPACK COOKERY. Ruth Mendenhall. Written by a well-known climber and backpacker, this volume covers planning, purchasing, packing and preparation of backpack foods. Concise, simple and complete. $ 1.00

SOURDOUGH JACK'S COOKERY AND OTHER THINGS. Sourdough Jack Mabee. A collection of legends, anecdotes, old wives' tales, recipes for sourdough pancakes and breadstuffs, including a passel of western food Americana gathered from cattlemen, authors, and prospectors across the American West. 1971 revised edition. ..... $ 4.00

BACKPACKING FOR FUN. Thomas Winnett. A beginners how-to-do-it with special suggestions for families. Written by the world's best-selling author of trail guides. ..... $ 2.95

AREA GUIDES

MINERAL KING GUIDE. Pat Adler. History, ecology, trails and trips, and facilities of this beautiful and remote area. ..... $ 1.00

BAJA CALIFORNIA OVERLAND. L. Burr Belden. Extensive photographs, maps, and a valuable list of suggested readings about this little-charted area. ..... $ 1.95

GUIDE TO THE WYOMING MOUNTAINS AND WILDERNESS AREAS. Bonney and Bonney. A comprehensive guide covering climbing routes as well as trails, etc. Profusely illustrated. 3rd edition. $15.00

Excerpts from this guide covering specific areas available as:

FIELD BOOK: ABSAROKA RANGE AND YELLOWSTONE PARK $ 3.50
FIELD BOOK: BIG HORN RANGE ..... $ 3.50
FIELD BOOK: THE TETON RANGE ..... $ 4.95
FIELD BOOK: WIND RIVER RANGE ..... $ 4.95

GRAND CANYON TREKS. Harvey Butchart. A guide to inner Canyon routes. ..... $ 1.95

POCKET GUIDE TO THE NORTH CASCADES NATIONAL PARK. Fred Darvill, Jr. 100 selected hikes in the North Cascades, including Ross Lake, Lake Chelan, Glacier Peak, Mt. Baker, etc. Also general information and road guides with sections on geology, natural history and mountain philosophy. 2 Vols. .... $ 2.75

SIERRA NEVADA PLACE NAMES GUIDE. Denison and Winnet. An index to the U.S.G.S. topographic maps in the High Sierra. .... $ 1.25

EXPLORING MOUNT RAINIER. Ruth Kirk. History of the people and the wildlife. Roads, trails, and climbs. 12 maps. ..... $ 2.50

EXPLORING THE OLYMPIC PENINSULA. Ruth Kirk. History, natural history, roads and trails. .... $ 2.50

100 NORTHERN CALIFORNIA HIKING TRAILS. Lowe. Covers the Klamath Mountains, Trinity Alps, Lassen Peak area, Lake Tahoe region and Yosemite National Park. Photos and maps of each route. .... $ 5.95

100 SOUTHERN CALIFORNIA HIKING TRAILS. Lowe. Covers Los Padres, southern Sierra Nevada, and southwestern California. Photos and maps. ..... $ 5.95

100 OREGON HIKING TRAILS. Lowe. The Oregon coast, Columbia River gorge, and northern, southern, and central Oregon. Photos and maps. ..... $ 5.95

100 HIKES IN WESTERN WASHINGTON. Louise Marshall. Maps, descriptions, and many photographs. ..... $ 4.95

CAMPING AND CLIMBING IN BAJA. John Robinson. History, climbing, hiking and fisherman's guide in a compact book with maps and a selected bibliography. . $ 2.95

TRAILS OF THE ANGELES. John Robinson. 100 hikes in the San Gabriels. Complete descriptions. Photos include separate trail map. ..... $ 4.95

100 YEARS IN YOSEMITE. The Story of a Great National Park. Carl P. Russell. The history of man in Yosemite. Pioneers, tourists, miners, explorers, hostelers and National Park Service guardians. Published by the Yosemite Natural History Association. ..... $ 2.95

JOHN MUIR IN YOSEMITE. Shirley Sargent. A longtime Yosemite resident tells the story of John Muir and his love affair with the Valley. Especially interesting are the historical photographs and sketches by Muir. ..... $ 1.50

DEEPEST VALLEY. Genny Schumacher. The history, geology, wildlife, plant life, trails, etc. of the eastern Sierra and the Owens Valley. ..... $ 3.95

MAMMOTH LAKES SIERRA. Genny Schumacher. A handbook for road and trail covering the plants and animals, geology and history of this eastern Sierra region. ..... $ 4.95

SIERRA NORTH. Schwenke and Winnett. Back-country trips in the Sierra, Desolation Valley to Mono Creek. Includes a last-minute checklist, extensive trip descriptions, maps, trip profiles, and a cross reference table. Revised edition with 26 new trips. Color photos. ..... $ 4.95

SIERRA SOUTH. Schwenke & Winnett. Companion volume to **Sierra North.** 100 trips, Mono Creek to southern Sequoia Nat'l Park. $ 3.95

GUIDE TO THE JOHN MUIR TRAIL. Walter Starr Jr. Latest edition of the Sierra Club guide to the trail system of the High Sierra, complete with separate map. ... $ 2.00

CLIMBING MOUNT WHITNEY. Wheelock & Condon. Mt. Whitney Trail, other trails, rockclimbers' routes, etc. Five maps. ..... $ 1.00

THE TAHOE-YOSEMITE TRAIL. Winnet and Denison. A guide to the 180 miles of trail between Meeks Bay at Lake Tahoe and Yosemite Park's Tuolomne Meadows. ..... $ 2.95

HIGH SIERRA HIKING GUIDES. Winnet and Denison, ed. Each pocket-sized guide covers trails, trees, history, geology, campsites, wildflowers, ecology and animals within a particular U.S.G.S. 15' topographic map area. Includes separate map with trails and campsites.

BLACKCAP MOUNTAIN .. $ 1.95
DEVIL'S POSTPILE ..... $ 1.95
MARION PEAK ..... $ 1.95
MATTERHORN PEAK .... $ 1.95
MINERAL KING ..... $ 1.95
MOUNT ABBOTT ..... $ 1.95
MOUNT WHITNEY ..... $ 1.95
TUOLUMNE MEADOWS .. $ 1.95
YOSEMITE ..... $ 1.95

DESOLATION WILDERNESS. Robert Wood. A guide to 200 miles of trail and 139 trout streams and lakes in the Sierra. ..... $ 3.95

NATIONAL PARK GUIDES. Edited by Robert Scharff with the cooperation of the National Park Service. History, wildlife, trails and accommodations.

GRAND CANYON NATIONAL PARK 1.95
YELLOWSTONE & GRAND TETON NATIONAL PARKS ..... $ 1.95
YOSEMITE NATIONAL PARK ..... $ 1.95

MEDICAL AND SURVIVAL

HOW TO SURVIVE ON LAND AND SEA. F. & J. Craighead. Text, photographs, and line drawings. Survival techniques, wild plant and animal food, orientation, shelter, hazards. Published by the U.S. Naval Institute. ..... $ 5.00

MOUNTAINEERING MEDICINE. F. T. Darvill, M.D., Skagit Mountain Rescue Unit. ..... $ 1.00

MOUNTAIN SEARCH AND RESCUE OPERATIONS. Practical information by the Grand Teton Nat'l Park rescue team. ..... $ 1.00

THE BOOK OF SURVIVAL. Anthony Greenbank. An extremely practical survival manual and one of the funniest books we've ever catalogued. As well as detailed instructions for a very wide range of emergency situations, Mr. Greenbank presents valuable tips on approaching alien spacecraft and dealing with hostile natives. Excellent drawings. Highly recommended. ..... $ 5.95

THE ABC OF AVALANCHE SAFETY. E. R. La Chapelle. Compact handbook discussing the technical considerations of understanding and predicting avalanches, general safety rules, rescue procedures, and suggested equipment for touring. Excellent appendix with case histories. ..... $ .90

HYPOTHERMIA: KILLER OF THE UNPREPARED. Theodore G. Lathrope, M.D. ..... $ 1.00

MOUNTAIN RESCUE TECHNIQUES. Wastl Mariner. Divided into sections on winter and summer rescue techniques. Over 100 drawings and diagrams. First aid outline. ..... $ 3.50

FROSTBITE. Bradford Washburn. Brief but useful reprint from the 1962 American Alpine Journal. ..... $ 1.00

MEDICINE FOR MOUNTAINEERING. James Wilkerson, ed. A complete manual of first aid techniques and emergency medical procedures, prepared by a group of climber-physicians with experience from Everest and K-2 to the Northwest Wilderness. Detailed instructions and illustrations. ..... $ 7.50

BOATING—CANOEING

CANOEING WATERS OF NORTHERN CALIFORNIA. Ann Dwyer. Tidewaters, lakes and rivers are covered in this "beginning" book. Additions and corrections will be added as the information is gathered. ..... $ 4.55

SAILING FOR BEGINNERS. Moulton H. Farnham. Everything you need to know to sail a small boat safely under all conditions; how to judge the wind, making sail, steering, useful knots, anchoring, rules of the road, charts and piloting, equipment, maintenance, how to buy a boat—all described clearly, with over 200 illustrations. ..... $ 9.95

POLE, PADDLE AND PORTAGE. Bill Riviere. Possibly the best, the fullest guide to canoeing on the market. By a man who has loved canoeing all his life and knows as much as anyone about this ancient North American sport. Techniques of canoeing, canoe safety and a guide to North American canoeing waters. ..... $ 6.95

WHITE-WATER SPORT. Peter Whitney. Running rapids in kayak and canoe for beginners and advanced boatmen. Chapters on choosing equipment, understanding the river, racing, organized cruising, and safety. ..... $ 6.00

SKIING AND SNOWSHOEING

NORDIC TOURING AND CROSS-COUNTRY SKIING. Michael Brady. Spells out the essentials of technique, equipment, and waxing as practiced in Norway for racing and touring. Excellent diagrams and sequence drawings and the only complete waxing table in print. 3rd rev. ed. .. $ 2.90

WAXING FOR SKI TOURING AND CROSS COUNTRY SKI RACING. By Michael Brady and Lorns Skjemstad. A book that takes on the mystifying "art" of waxing nordic skis in a direct and straightforward manner. A good book on a complex subject. ..... $ 1.00

SKI TOURS IN CALIFORNIA. David Beck. How and where to tour and winter camp from Mt. Shasta to Mt. San Jacinto. 38 tour descriptions with maps and elevation charts. ..... $ 4.95

THE NEW CROSS-COUNTRY SKI BOOK. John Caldwell. Probably the best guide out for cross-country skiing as both family recreation touring and a competitive sport. Covers technique for stride and poling over varied terrain, equipment, laying a course, waxing, tips for outings with the family, photographs. ... $ 3.95

HOW TO SKI THE FRENCH WAY. Joubert and Vuarnet. A complete course of ski instruction based on the most advanced techniques of today's champions, such as Guy Perillat, the Goitschel sisters, and Jean-Claude Killy. ..... $ 5.95

TEACH YOURSELF TO SKI. Georges Joubert. Hailed as the "bible" of the sport, Joubert's latest book is one no downhill skier can afford to be without. Appropriate chapters are directed to the novice who has never been on skis before, the intermediate skier and the advanced skier also wanting to improve, and to the racer searching for the latest discoveries to finish his technique. Filled with diagrams and sequence photos. ..... $ 6.95

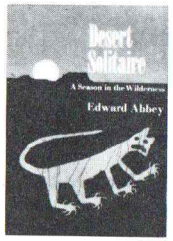
COMPLETE CROSS-COUNTRY SKIING AND SKI TOURING. Lederer and Wilson. From beginning to advanced technique. One of the most complete and easily used books on cross-country skiing. Thoroughly illustrated. Rev. ed. ..... $ 4.00

THE SNOWSHOE BOOK. Osgood and Hurley. A complete guide with chapters on history, selection and use of snowshoes, first aid, avalanche safety and even fun and games on snowshoes. Thoroughly illustrated with photographs and line drawings. ..... $ 3.95

WILDERNESS SKIING. Lito Tejada-Flores and Allen Steck. Reflecting the latest thinking in modern ski technique, this Sierra Club totebook will undoubtedly be a controversial volume. Nordic cross-country and Alpine touring techniques are thoroughly explained as well as extreme skiing techniques. Clothing, sleeping gear, food, tents, avalanches, and first-aid are just some of the subjects covered. Illustrations by Alfred Smith. ..... $ 6.95

THE OFFICIAL AMERICAN SKI TECHNIQUE. Professional Ski Instructors of America. The definitive exposition of ski technique as taught in the United States. Third edition. ..... $ 8.95

MOUNTAINEER'S LIBRARY



DESERT SOLITAIRE: A Season in the Wilderness. Edward Abbey. A personal vision, deeply felt and communicated. Desert rat, novelist, and poet. Abbey writes: "The desert is . . . atonal, cruel, clear, neither romantic nor classical, motionless and emotionless at one and the same time." . . . . . $ 5.95

CHALLENGE OF THE NORTH CASCADES. Fred Beckey. Thirty years of exploring the North Cascades by one of the first climbers and most persistent explorers of this region of sheer rock walls, gleaming glaciers and green forests. . . . $ 7.95

ANNAPURNA SOUTHFACE. Chris Bonington. Although Annapurna was conquered in 1950 by the most accessible route, the South Face with 12,000 ft. of steep rock and ice leading to the 26,545 ft. summit remained as a formidable challenge on a scale never attempted before. Bonington's vivid account is a memorable book and a must for every mountaineer's library. Complete and detailed appendixes. Sixty dramatic photographs in full color. $10.00

I CHOSE TO CLIMB. Christian Bonington. The Cima Grande, the Eiger, the Southwest Pillar of the Dru, Annapurna, and Nuptse are some of the climbs described by this outstanding member of the new climbing generation. 43 photos. . . . . $ 7.50

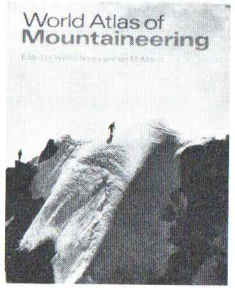
THE HARD YEARS. Joe Brown. British climbing's "hard man" relates his mountaineering experiences all over the world. Of special interest is his account of the Anglo-Russian expedition to the Pamirs which ended with the tragic deaths of Wilfred Noyce and Robin Smith. 42 photos. . . . . $ 8.50

NORMAN CLYDE OF THE SIERRA NEVADA; Rambles Through the Range of Light. 29 essays on the Mountains by Norman Clyde; Foreword by Francis Farquhar and Prologue by Jules Eichorn with a long letter from Smoke Blanchard and 15 photographs of the Old Gaffer. An unusually attractive book that should be in every mountaineer's library.
Cloth $15.00
Paper . . . . . $ 7.50

MINUS 148°. Art Davidson. The first winter ascent of Mt. McKinley. An honest account of an expedition which, marred by death, was both a triumph and a disaster. . . . . $ 5.95

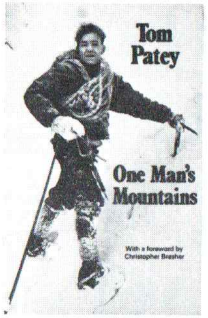
ROPE BOY. Dennis Gray. From his schoolboy climbs with the Bradford Lads to later climbs with Brown, Whillans, Sorrell, and others in the British Isles, the Alps, the Himalayas, and the Andes. An exciting document of considerable social interest and remarkably well constructed. . . . . $ 6.95

ALASKA WILDERNESS. Robert Marshall. Exploring the central Brooks Range. A vivid personal description of adventure in this remote arctic country. A book for everyone who loves the wilderness. . . . $ 2.25



WORLD ATLAS OF MOUNTAINEERING. Noyce and McMorrin, ed. A region by region survey and guide to the world's mountains with commentary by internationally known mountaineers. Profusely illustrated with 32 maps and over 260 photographs. $14.95

ONE MAN'S MOUNTAINS. Tom Patey. One of the finest books of mountain writing in many years. This posthumous collection includes essays and verses to be sung. Illustrated with photos and diagrams. $ 7.50



THE EXPLORATION OF THE COLORADO RIVER AND ITS CANYONS. John Wesley Powell. Reproduced from the original plates, this is the only uncut edition of Powell's narrative in the last 60 years. 250 fine illustrations and photographs. . . . . $ 3.00

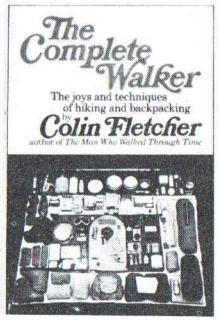
DEBORAH: A Wilderness Narrative. David Roberts. The story of a two-man expedition to climb the eastern side of Mount Deborah in Alaska. An effort both rash and heroic. . $ 6.95

ON THE LOOSE. Terry & Renny Russell. "Adventure is not in the guidebook and beauty is not on the map." In this spirit, two young men discovered the wild country and made a book fusing their own photographs and quotations in Terry's fine calligraphy. A Sierra Club book. Paperback edition. . . . . $ 3.95

THE HIGH ADVENTURE OF ERIC RYBACK.: Canada to Mexico on Foot. Ryback. The log of a 132-day, 2500 mile trek from the Canadian Cascades to the Mexican border. Writing with absolute honesty, Ryback admits the terror and pain as well as the peace and fulfillment he experienced. Photos. . . . . $ 6.95

STRAIGHT UP. James Ramsey Ullman. The frank and revealing biography of the late John Harlin, recognized as America's foremost mountaineer of the '60's. Ullman writes of this complex man whose early activities included dress designing, writing, painting, piloting an air force jet, with increasing emphasis on climbing until the Eiger's **Mordwand** claimed its twenty-seventh victim. 51 black and white photos. . . . . $ 5.95

COLIN FLETCHER



THE COMPLETE WALKER. The long-awaited straight-forward, practical handbook for the modern backpacker, beginning or experienced walker. Fletcher avoids the "old woodsman" approach which clutters most books on camping and backpacking technique. From his own experience—and avoiding generalities—he compares weights, quality and cost of boots, socks, packs, tents, tarps, accessories, food, etc., and gives advice ranging from the selection of gear to the best utilization of air drops. The most down-to-earth and up-to-date guide book for the serious walker yet published. $ 7.95

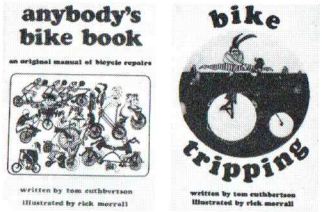
THE THOUSAND MILE SUMMER. The author's own story of his walk from the Mexican border to Oregon via California's backbone, across Death Valley and along the Sierra Nevada crest. . . . . $ 4.95

THE MAN WHO WALKED THROUGH TIME. An exciting record of Mr. Fletcher's walk through the Grand Canyon. . . . . $ 6.95
. . . . . paper $ 1.95

THE WIND BLOWS ON MARA. A book about the Africa in which Fletcher lived as a farmer after World War II and to which he returned in the late 1960's. . . . . $ 7.95

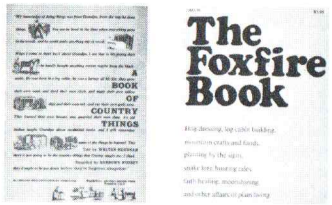
BICYCLING

ANYBODY'S BIKE BOOK. Tom Cuthbertson. Beginning with the assumption that if you can ride it, you can fix it, this book covers virtually any mechanical problem the biker might encounter. Excellent drawings contribute to the clarity of the text. . . . . $ 3.00



BIKE TRIPPING. Tom Cuthbertson. Everything from selecting your bike and learning to ride it to tour trips and road racing. . . . . $ 3.00

MOUNTAIN LIFE AND LORE

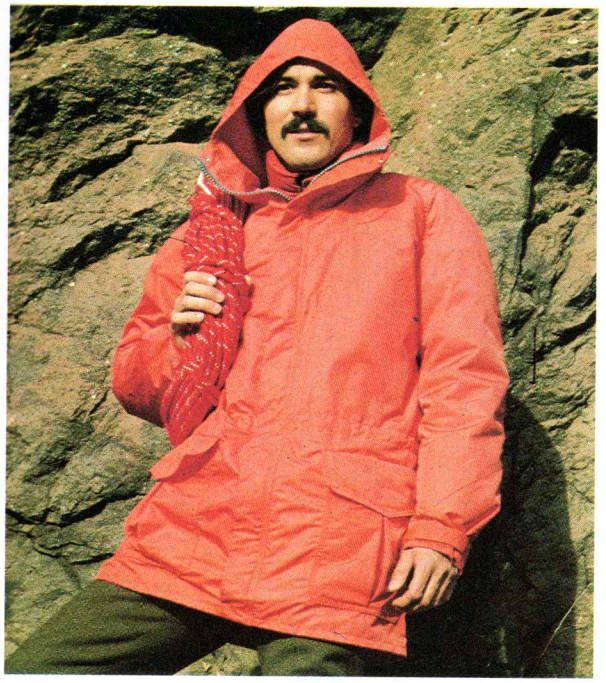


A BOOK OF COUNTRY THINGS. Needham and Mussey. Practical information on the amazing self-sufficiency of rural New Englanders in the later half of the 1800's. Farming, animals, tools, stone and wood and much, much more. Illustrated with beautiful old woodcuts. $ 4.50

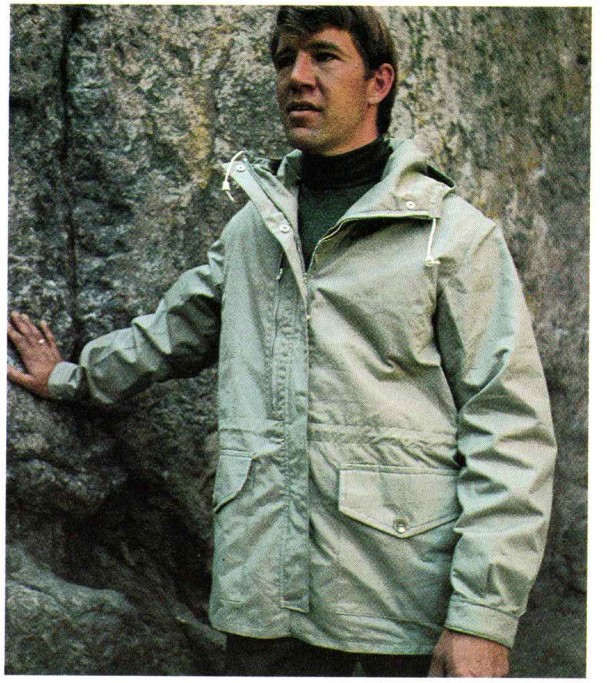
THE FOXFIRE BOOK. Wigginton, ed. Hog dressing, log cabin building, mountain drafts and foods, planting by the signs, snake lore, hunting tales, faith healing, moonshining and other affairs of plain living with the Mountain Folk of southern Appalachia. Illustrated. . . . . $ 3.95

JOURNALS

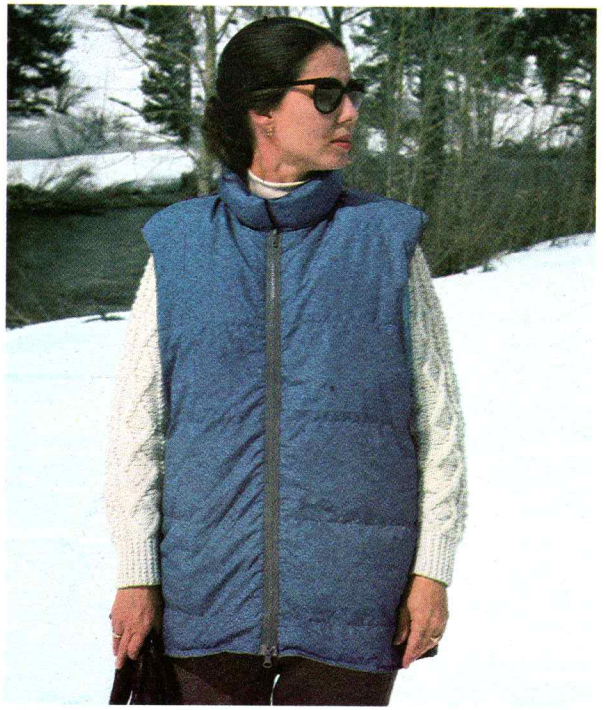
1973 AMERICAN ALPINE JOURNAL . . . . . $ 5.00
1973 CANADIAN ALPINE JOURNAL . . . . . $ 3.00
ACCIDENTS IN AMERICAN MOUNTAINEERING. 1973 annual report of the American Alpine Club safety committee. . . . . $ .75
ASCENT 1973: The Mountaineering Journal of the Sierra Club. Mountaineering articles, book reviews, new routes, etc. . . . . $ 3.00



TRAILWISE MOUNTAIN PARKA. A true double-shell expedition garment; outer shell is 60/40 Cloth, a mixture of cotton and nylon; inner shell is British Ventile cotton. These materials combine to provide optimum water and wind repellency with breathability and warmth. Full cut; may be worn comfortably over bulky down garments or sweaters. Raglan sleeves. Full-length heavy-duty 2-way nylon zipper sealed against drafts by snap-fastened flap. Inner waist drawcord with single adjusting slider, drawcord on hood. Two large bellows pockets with double flap and velcro closure, two inner breast pockets. Velcro closures at wrist. Colors: orange or blue with orange lining. Sizes: M, L, XL.
A105 ..... ave. wt. 30 oz. **$66.00**



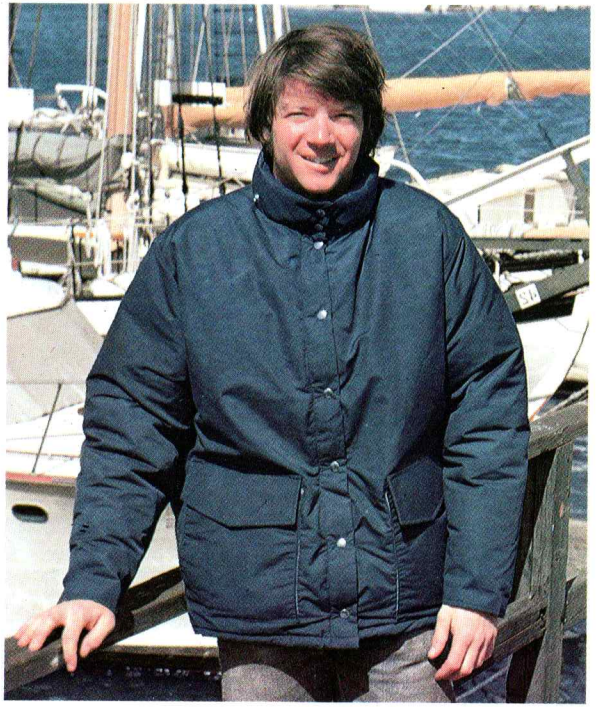
P & O PARKAS. An impeccably fashioned mountaineer's parka available in two materials. Full-length nylon zipper covered by a weather flap with snap closures. Drawcords at hood and waist. Double thickness of material throughout jacket except over shoulders where three layers are used. Adjustable button cuffs. Two large patch pockets are well sealed with fold-over inner flaps and button-down outer flaps. Zippered outer map pocket. Inner breast pocket with button closure. Sizes 34 to 46.
P & O Ventile Parka. Constructed from 100% cotton English Ventile cloth—probably the most successful waterproof but breathable material yet developed. Color is lichen green.
A360 ..... ave. wt. 41 oz. **$57.00**
P & O Poplin Parka. Constructed from proofed 100% cotton poplin. Colors: navy or orange. Sizes: 34-46.
A361 ..... ave. wt. 36 oz. **$42.00**

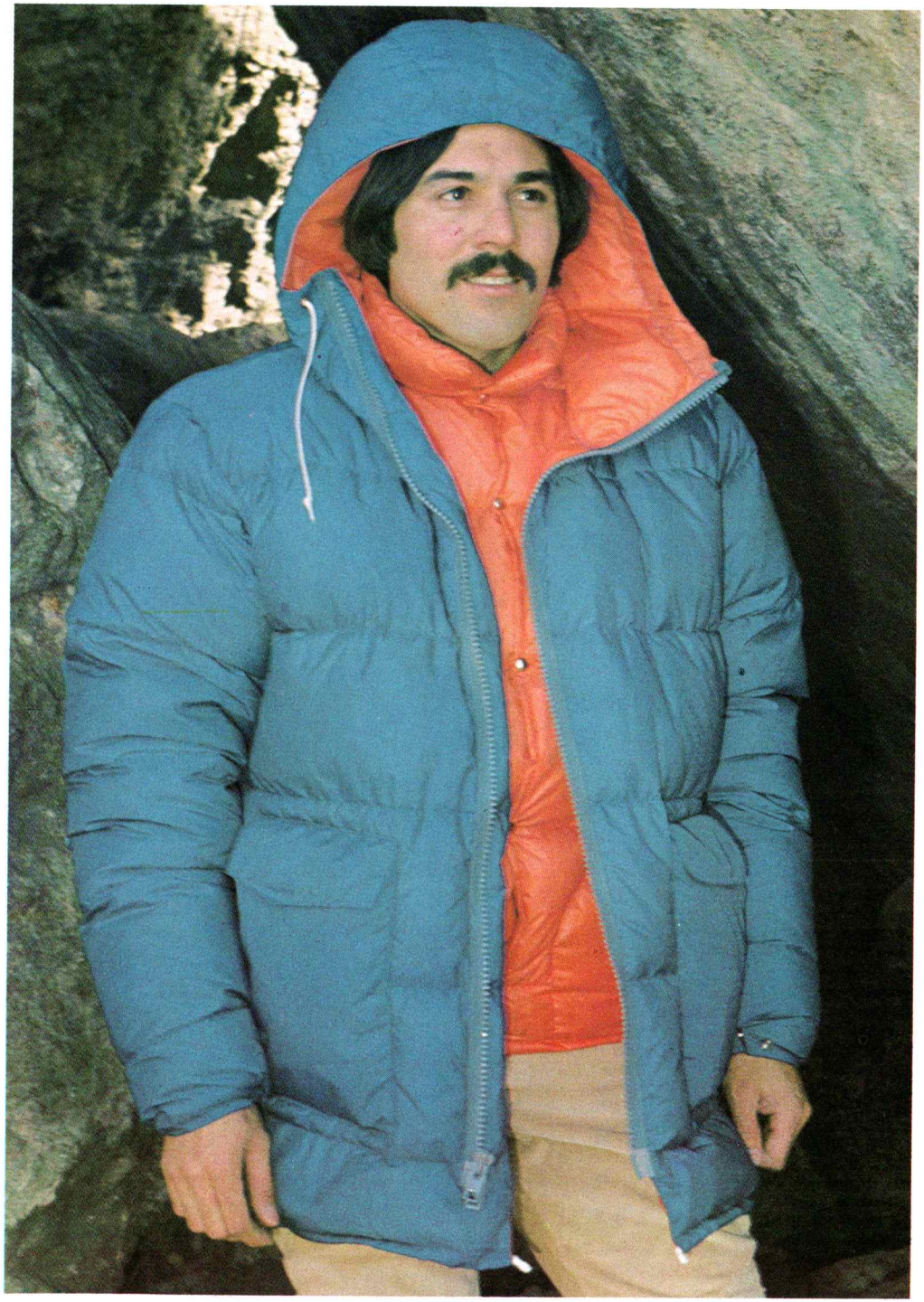


TRAILWISE DOWN VEST. Provides great warmth with less overheating and more freedom of movement than a down jacket. Perfect over a shirt, under a parka, or in your sleeping bag. Supernyl shell with sewn-through seams. 5 to 6¾ oz. down fill. 3" down-filled collar, nylon zipper. Sizes: S, M, L. Color: blue and forest green.
A112 ..... ave. wt. 13 oz. **$24.50**

TETON PARKA. An all-weather, general purpose parka by Woolrich insulated with 8 oz. of northern goose down. The outer shell of 60% 2-ply cotton/40% nylon makes this parka wind and water repellent and abrasion resistant. Two way zipper protected with snap draft-flap. Drawcord at waist. Two-way fleece-lined pockets, velcro fastened cargo pockets. Men's sizes only: S, M, L, XL. Color: navy or mocha brown.
A315 ..... ave. wt. 32 oz. **$51.00**

TETON HOOD. Down-filled hood for Teton Parka. Sizes: M, L. State size and color.
A315h ..... ave. wt. 4 oz. ..... **$ 9.00**



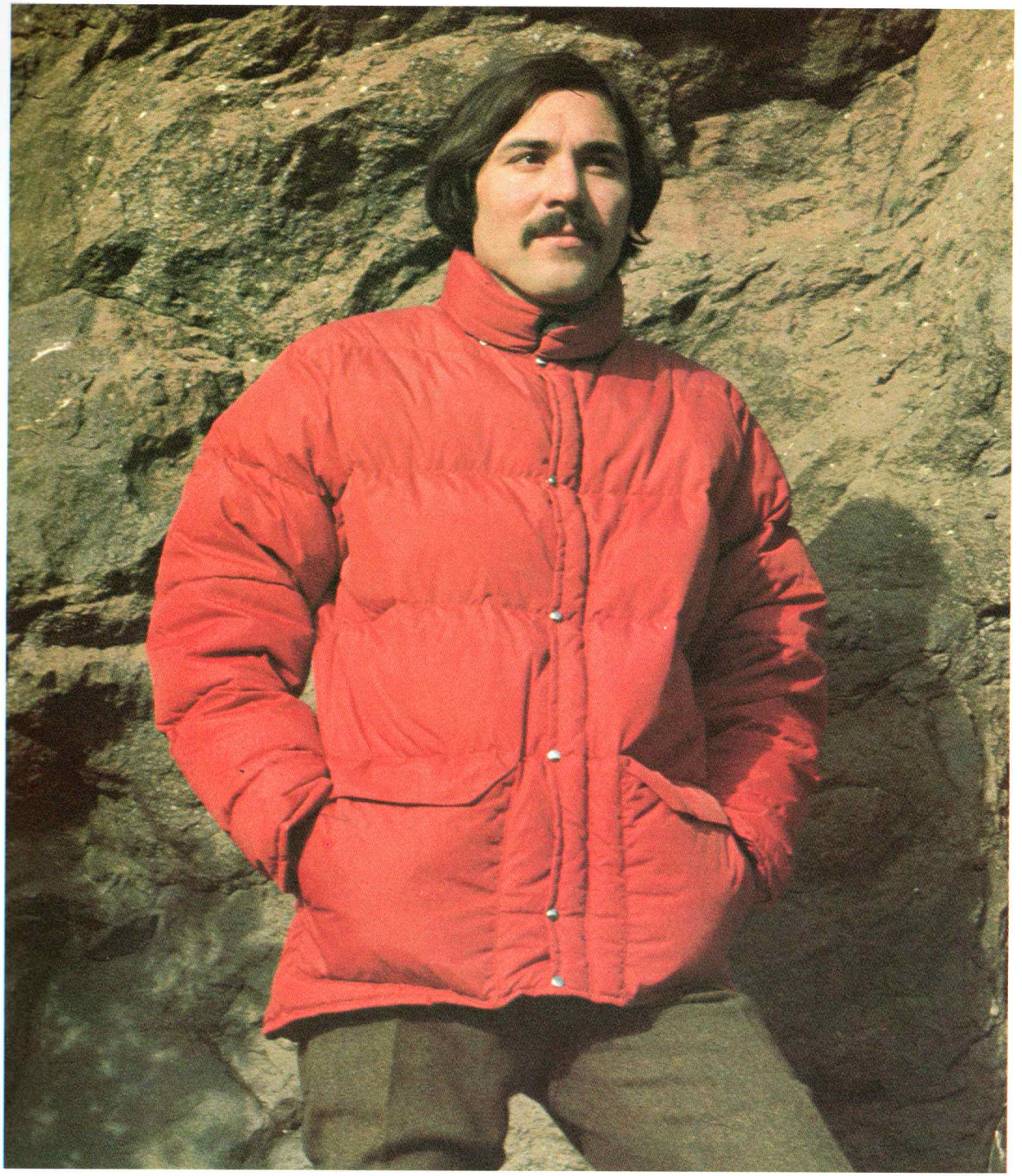


TRAILWISE EXPEDITION PARKA. Two separate down-filled jackets. May be worn individually or combined for greatest warmth. Inner jacket functions as a down sweater providing ideal warmth for most active situations. For the utmost protection against bitter cold at high altitudes or for comfort during periods of inactivity in cold weather, simply add the down-filled outer shell with hood for the warmth and protection of an expedition parka. **Inner Jacket:** Made of orange Tenaya nylon with 7 oz. fill of northern goose down. Hand-warmer pockets are down insulated. Snap closure on front of jacket, concealed knit cuffs, elastic at lower edge, and down collar with velcro fastener to keep out cold. **Outer Jacket:** Made of snag resistant blue supernyl. 9 oz. fill. Closure is with double-slider nylon zipper and snaps. Snaps at wrist. Down-filled hood with drawcord. Drawcord at bottom of parka. Double pockets, i.e.: down insulated hand warmer pockets and cargo pockets with velcro closing flap. Combined weight of both jackets is only 2½ lbs. Color: blue and orange combination. Sizes: S, M, L.

A106 ..... wt. 40 oz. **$94.00**
A107 Inner Jacket only ..... wt. 16 oz. **$40.00**
A108 Outer Jacket only ..... wt. 24 oz. **$54.00**

TRAILWISE DOWN PANTS. Designed for the mountaineer who needs great warmth with minimum weight and complete adaptibility. Quilted shell of Supernyl filled with northern goose down. Full length nylon zippers allow pants to be opened for ventilation and provide access to pockets. Zippers are separating so that pants may easily be put on or removed without taking off boots. Elastic waist with snap and velcro fastening. Color: blue. Sizes: small, medium, large.

A110 ..... ave. wt. 18 oz. **$35.50**

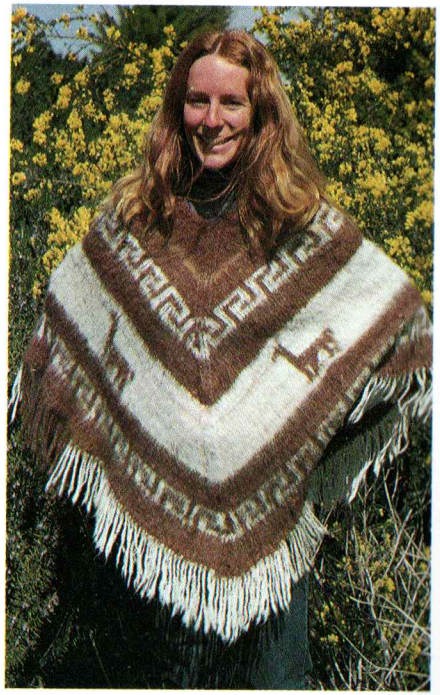


TRAILWISE LOGAN JACKET. Our extremely popular intermediate-weight, all-around down-filled jacket. Good looking and practical. Hip length; filled with 8¼ to 10½ oz. of prime northern goose down. Pockets feature generous carrying space with velcro fastened flap and insulated handwarmer slots. Optional down-filled hood available (see below). Snag free nylon zipper with down-filled draft flap secured with snaps. The Logan jacket has the warmth of several layers of wool, with less weight and bulk—easily fits into a corner of your pack until needed. Tough Supernyl shell with sewn-through seams. Sizes: XS, S, M, L, XL; fits both men and women. Colors: brick, chianti, royal blue, spruce, toast.
A111 ..... ave. wt. 23 oz. **$42.00**

HOOD FOR LOGAN JACKET. A down-filled hood which can be drawn tight around face. Snaps to Logan collar. ¾ oz. down fill. (State size and color.) 3 sizes: XS/S, M, L/XL.
A111/h ..... ave. wt. 2½ oz. ..... **$ 6.25**

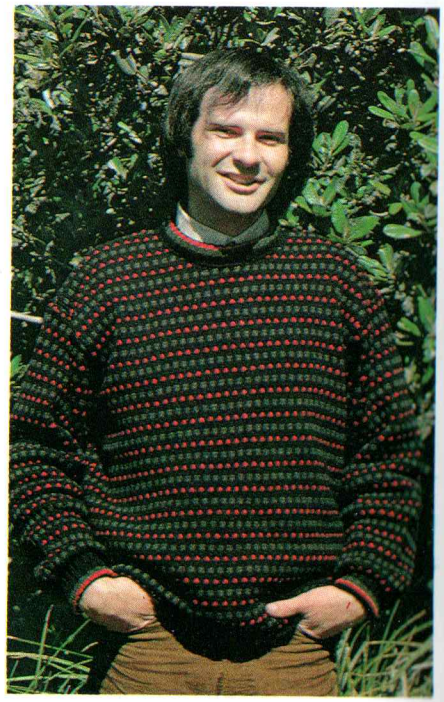
STUFFSACK FOR LOGAN.
R120/711 ..... wt. 2 oz. ..... **$ 1.70**

RUGBY SHIRTS. Made in New Zealand of extra-heavy cotton, ample reinforcement and triple stitched seams make these rugged shirts almost indestructable. Stand-up collar. Horizontal stripes of contrasting colors. Shrink-control in washing—washing in hot water will result in 10% shrinkage (4" in length, 3" in width, 3" in sleeves)—cold water washing will not shrink these shirts. Two sizes: M & L. Five color combinations: blue and gold, blue and red, burgundy and navy, dark green and navy, yellow and violet.
A306 ..... ave. wt. 1 lb. **$16.75**

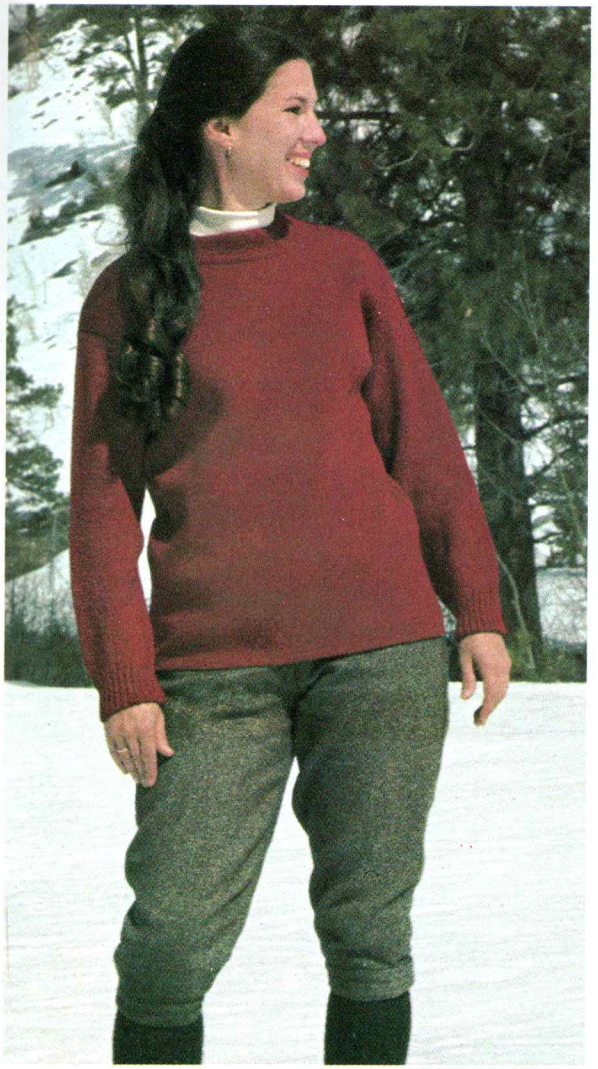


BOLIVIAN ALPACA PONCHO. Handspun and hand-knit of the softest undyed virgin alpaca yarns, each of these ponchos is unique in pattern and color—no two alike. Luxurious and amazingly warm, they make an ideal gift. One size fits all. Predominant natural colors: warm browns or soft greys.
A358 ..... wt. 30 oz. **$35.00**

CLONA TWEED SWEATERS. A handsome machine knit sweater from Ireland. Made of medium weight 100% virgin wool in a ribbed bulky knit with crew neck. Excellent sweater for men or women. Heather mixtures of deep blue tweed or caramel tweed. Sizes for men and women 36-46.
A328 .... ave. wt. 22 oz. **$27.00**



KRONE SWEATERS. Unusual imports from Norway. Knit of 88% wool and 12% nylon with dramatic patterns of small squares and darts, these are sweaters to be worn day after day. Medium weight. Crew neck. Colors: red and green on black and blue on white. Sizes: S, M, L, XL.
A327 .... ave. wt. 20 oz. **$20.00**



PENEGAL SWEATER. Ski Hut import from Austria, this classic sweater is of extra-heavy wool for warmth, durability and comfort. Crew neck. Colors: dark blue, burgundy, dark green. Sizes: men's and women's S, M, L, XL.
A326 ..... ave. wt. 30 oz. **$36.00**

ENGLISH CLIMBING BREECHES. Made for The Ski Hut of Derby tweed (75% wool, 25% cotton), these fine imported English knickers are warm, water-repellent, and long-wearing. Square-cut seat reinforcements. Wide velcro closures at cuffs. Sturdy belt loops. Roomy pockets with button flaps, hammer pocket. Color: grey tweed.
Men's Model: Even sizes 28 to 38.
A410M ..... ave. wt. 36 oz. **$26.00**
Women's Models: Sizes 10 to 16.
A410W ..... ave. wt. 28 oz. **$26.00**

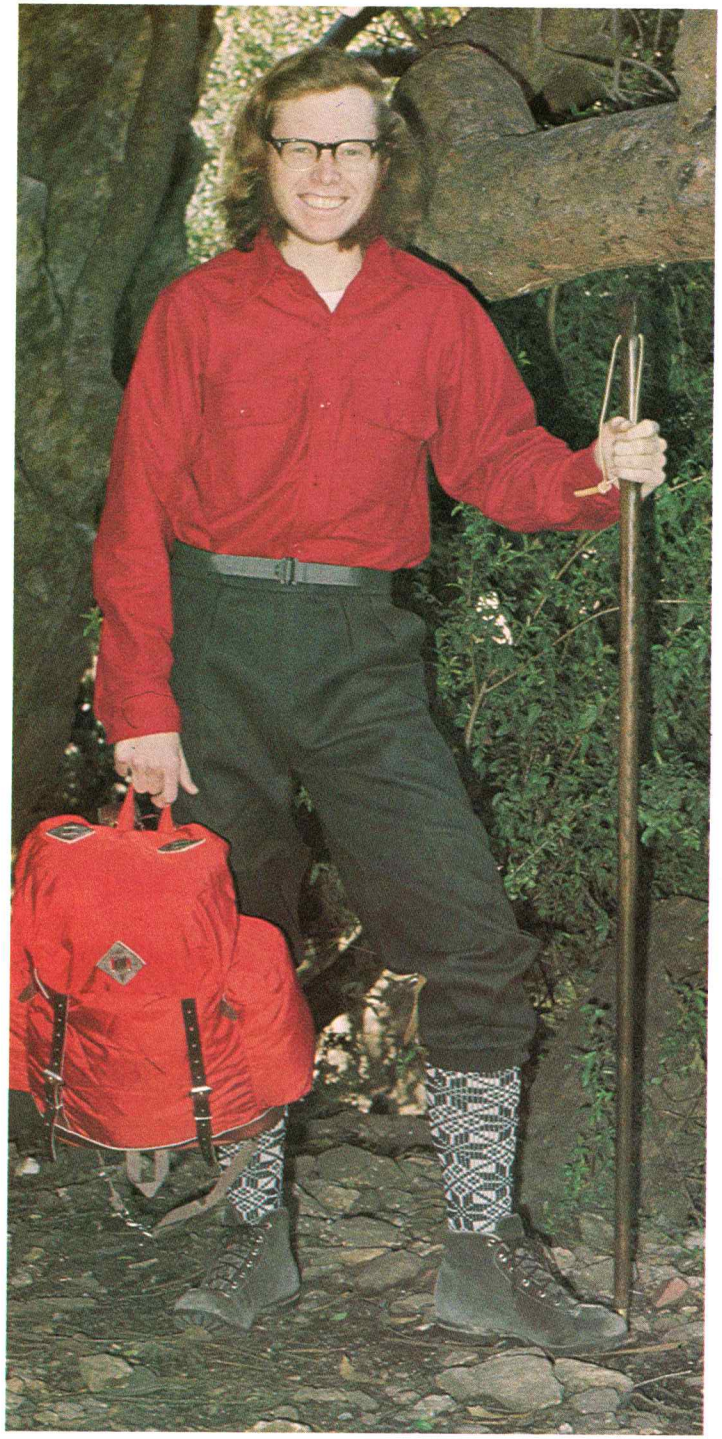
IRISH FISHERMANS' SWEATERS. A Ski Hut import from County Cork. These traditional handknit sweaters are identical to those worn by the rugged fishermen of the British Isles. The decorative knit patterns make a uniquely handsome sweater, but they also serve a very practical role—alternating high and low patterns work as air traps resulting in more warmth for weight than smooth surfaced sweaters. 100% natural wool maintains its ability to stay warm in the dampest, chilliest weather. Color: cream.

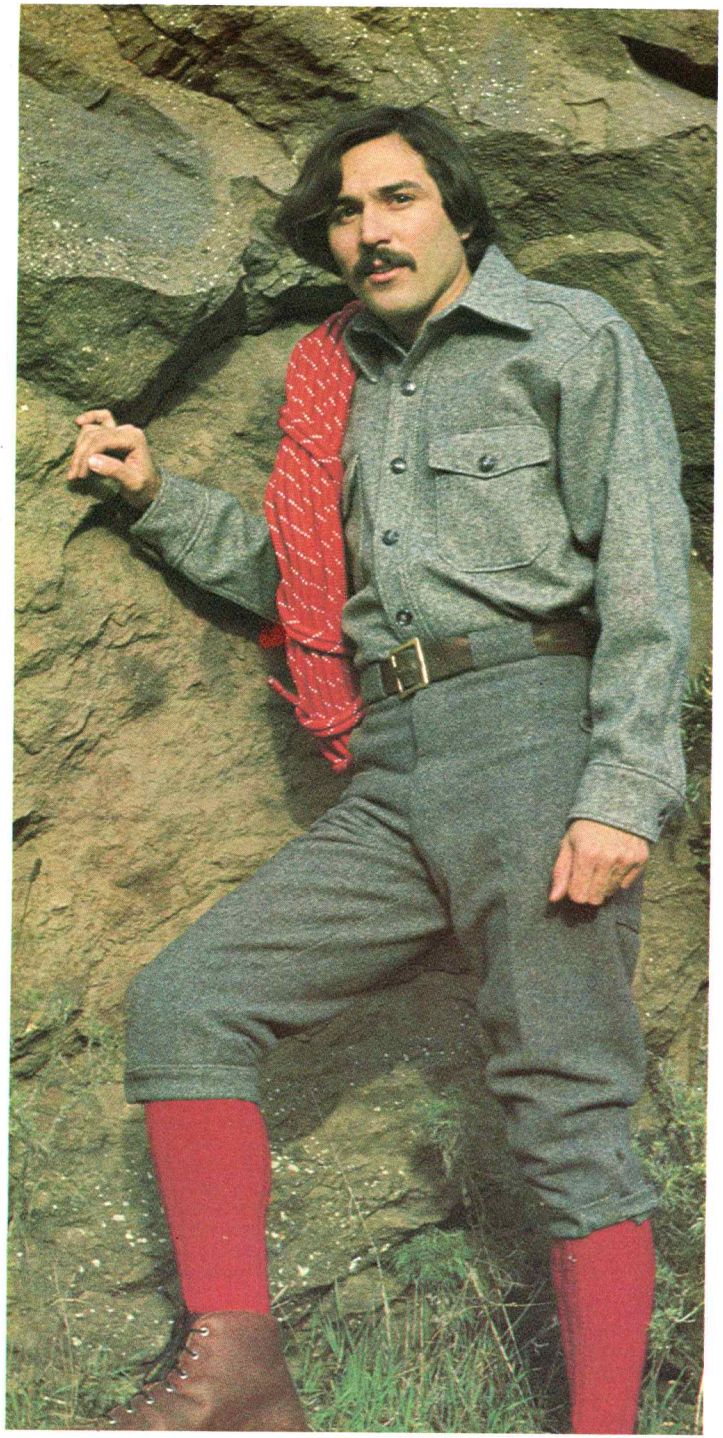
Bantry Bay. Pullover with honeycomb and half-diamond pattern. Sizes for men and women 36 to 46.
A320 ..... ave. wt. 26 oz. **$50.00**

Kilcrea. Turtleneck with spoon and bobble stitches and center panel of diamond cable. Sizes for men and women 36 to 44.
A321 ..... ave. wt. 27 oz. **$52.00**
Glandore. Cardigan with trellis, cable, and blackberry stitches. Women's sizes only 36, 38, 40.
A322 ..... ave. wt. 24 oz. **$50.00**

IRISH FISHERMAN'S CAP. Knitted wool watchcap to match the Fisherman's sweaters. One size.
A323 ..... wt. 4 oz. ..... **$ 6.25**

IRISH TAM. Honeycomb and blackberry pattern to match Bantry Bay and Glandore sweaters. All wool. One size.
A324 ..... wt. 5 oz. ..... **$ 6.25**





WOOLRICH CHAMOIS SHIRT. Thick, double nap 100% cotton chamois cloth looks and feels like chamois leather. It is soft, durable, warm. Two large breast pockets with button flaps, long tails.
Men's Model: Sizes S, M, L, XL. Colors: tan, red, green, navy.
A311M . . . ave. wt. 22 oz. **$11.00**
Women's Model: Sizes 10 to 16. Colors: tan, red, navy.
A311W . . . ave. wt. 18 oz. **$11.00**

WHIPCORD KNICKERS. Made in England for The Ski Hut of heavy-duty cotton whipcord, these climbing breeches feature a reinforced seat, belt loops, and elastic knee fasteners. Strong and abrasion-resistant without being too hot for summer rock climbing. Two side pockets, two deep rear pockets with button flaps. Even sizes: 28 to 36. Color: dark grey.
A402 . . . . ave. wt. 26 oz. **$23.00**

WOOLRICH ALASKA SHIRT. Heavyweight wool shirt, permanently mothproofed. Warm, durable, and attractive, the Alaska is ideal for camping, hiking, and general sportswear. Long tails. Two breast pockets. A rugged shirt that will give years of service. Color: grey twill.
Men's Model: Sizes: S, M, L, XL.
A309M . . . ave. wt. 26 oz. **$16.00**
Women's Model: Sizes: 10 to 16.
A309W . . . ave. wt. 22 oz. **$15.00**

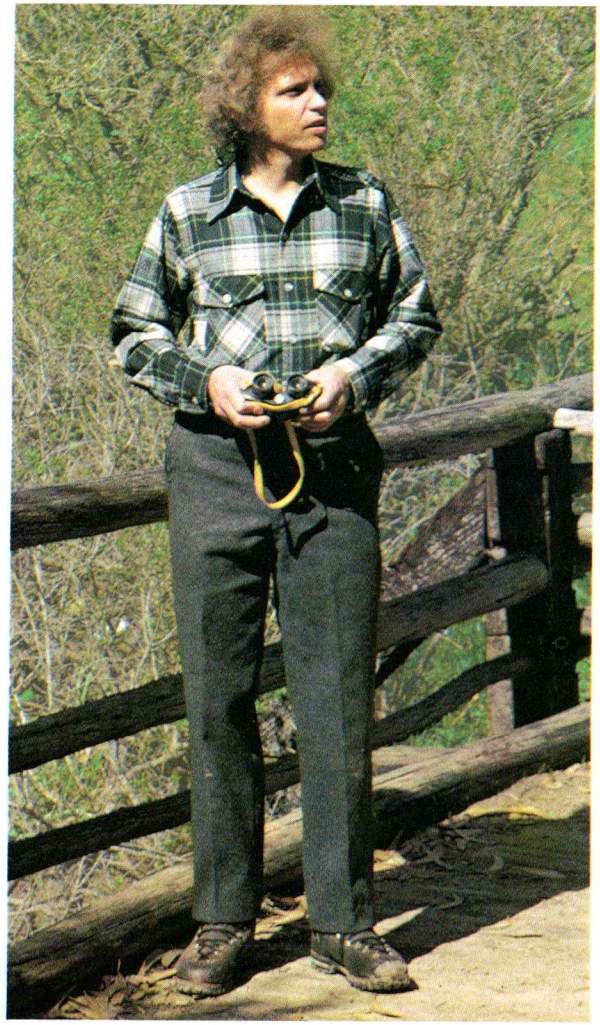
WOOLRICH KNICKERS. Extra heavy 100% wool tweed climbing knickers. Double seat with two rear pockets, button-flapped side pockets, wide belt loops and velcro-fastened knee closure. Color: grey. Men's sizes: 28 to 36.
A403 . . . . ave. wt. 34 oz. **$28.00**

TURTLENECK JERSEY. A versatile and attractive jersey of 100/ cotton with elasticized collar and cuffs. Excellent for skiing, hiking, and casual wear. Colors: navy, burgundy, spruce, yellow, white, powder. Sizes: men's S, M, L, XL; lady's S, M, L.
A305 ..... ave. wt. 11 oz. ..... **$ 9.00**

CORDUROY KNICKERS. Extra-thick nap of 100% cotton corduroy. Double seat with two large pockets. Button-flapped side pockets. Wide belt loops. Gusset insert at knee. Elasticized knee tab fasteners with velcro. Made in England to Ski Hut specifications. Color: olive.
Men's Model: Even sizes 28 to 38.
A404M ..... ave. wt. 25 oz. **$27.00**
Women's Model: Even sizes 10 to 16.
A404W ..... ave. wt. 23 oz. **$27.00**

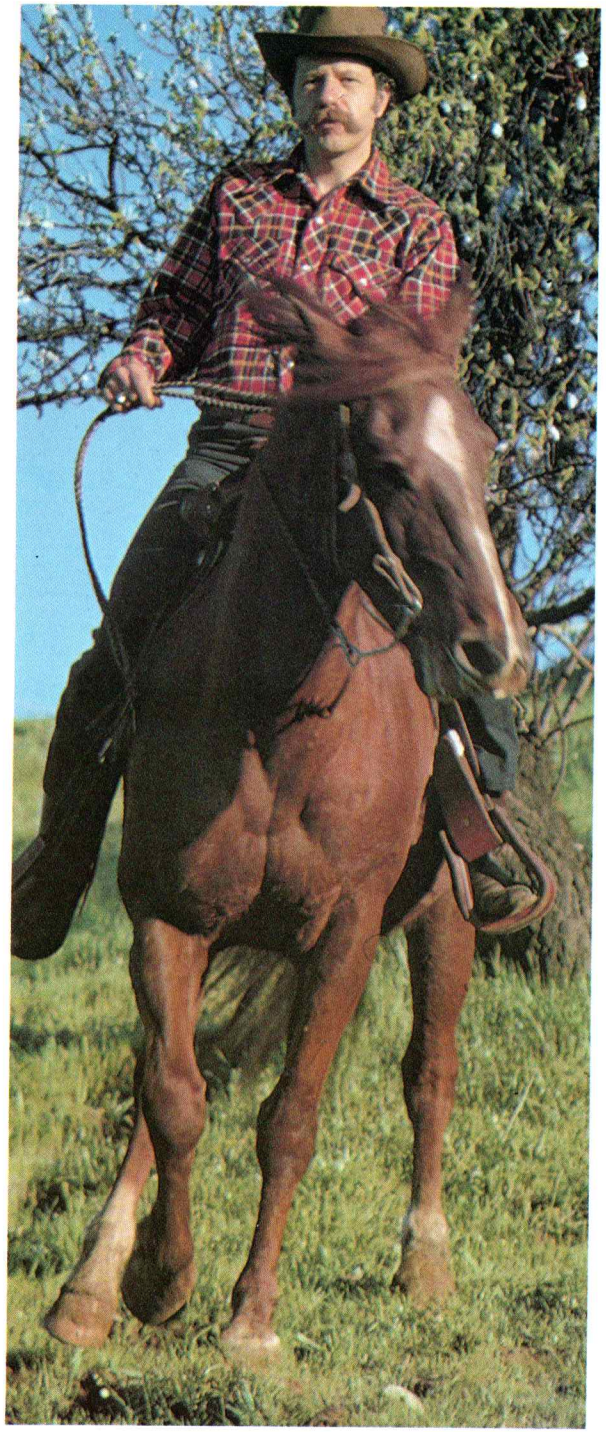
WOOL TURTLENECK. From Switzerland, a beautiful turtleneck of lightweight 100% pure wool. Warm, absorbent and ideal for layering, making this the perfect shirt for skiing and mountaineering. Stretchy, non-scratchy, washable and permanently mothproofed. Colors: navy, burgundy, powder. Sizes: S, M, L.
A303 ..... ave. wt. 8 oz. **$16.00**

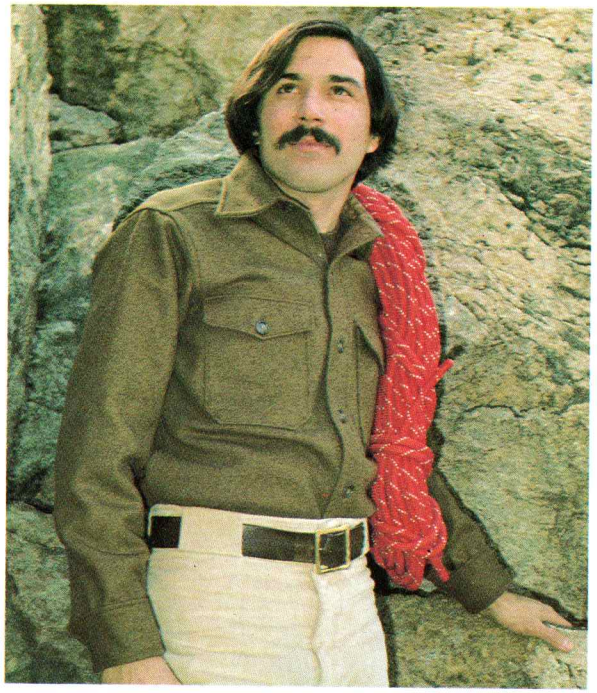
LIGHT-WEIGHT KNICKERS. Excellent for spring ski touring. Tightly woven fabric of terylene and cotton that will shed snow and is wind resistant. Double seat with rear pockets, button-flapped side pockets, wide belt loops, elasticized knee tab fasteners with velcro. Made in England exclusively for The Ski Hut. Color: navy.
Men's Model: Even sizes 28 to 38.
A409M ..... ave. wt. 12 oz. **$23.00**
Women's Model: Even sizes 10 to 16.
A409W ..... ave. wt. 10 oz. **$23.00**

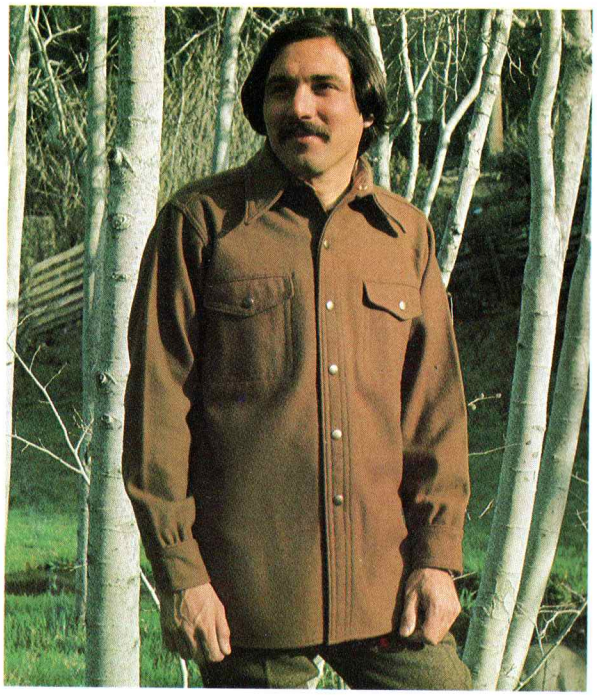


WOOLRICH DRESS SHIRTS. A lightweight shirt of 90% wool, 10% nylon. These classically styled shirts are comfortable indoors and out. Tails are cut long so they stay put without creeping. Long sleeves with button cuffs, two patch pockets with button flaps. Single needle construction, welted seams, with double yoke. Permanently mothproofed. Machine washable. Neck band is lined to prevent chafing. Generously tailored for comfort and freedom of action in carefully matched rich plaids or solids. Sizes S, M, L, XL. Colors: navy/green plaid or solid burgundy.
A313 ..... ave. wt. 16 oz. **$18.50**

WOOLRICH TROUSERS. 100% wool pants of sturdy 18 oz. cloth fully cut to allow complete freedom of movement. Excellent for all winter activities. Two deep side pockets. Two rear button flap pockets. Charcoal herringbone tweed. Sizes: 30-38 in regular or long lengths.
A418 ..... ave. wt. 34 oz. **$20.00**





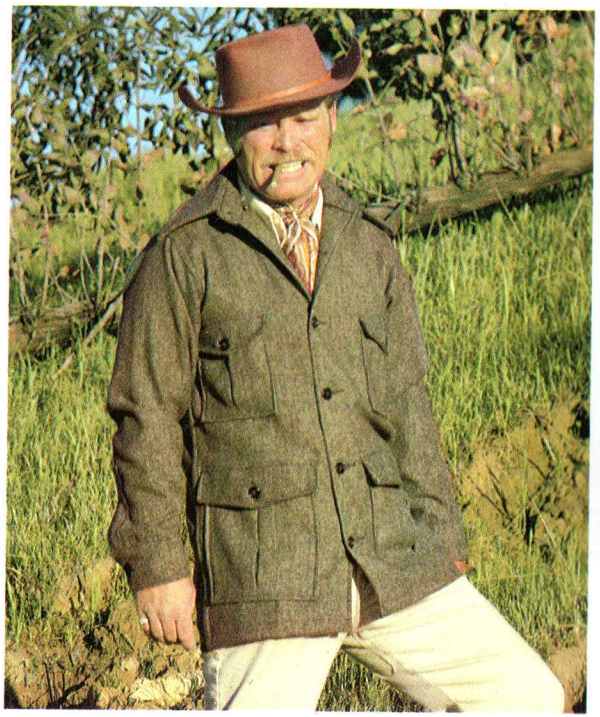


WOOLRICH WESTERN FLANNEL SHIRT. 100% cotton flannel shirt in traditional plaids. Western styling—shoulder yoke detail, pearl snaps. Two front pockets. Machine washable and dryable. Color: red, green or brown plaid. Sizes: S, M, L, XL.
A308 ..... ave. wt. 16 oz. **$11.50**

WOOLRICH C.P.O. SHIRT. All-purpose outdoorsman's shirt of 85% reprocessed wool, 15% nylon, permanently mothproofed. Long tails, two pockets with button flaps. Sizes: small, medium, large, x-large. Colors: navy, brown.
A310 ..... ave. wt. 27 oz. **$14.00**

WOOLRICH CASCADE SHIRT. Rugged styling accentuated by contrasting double-row saddle stitching. Features framed set-in pockets. Snap closures. 85% wool, 15% nylon in a Melton finish. Permanently mothproofed. Sizes: S, M, L, XL. Colors: vicuna or wine.
A312 ..... ave. wt. 32 oz. **$25.00**

SAXONY BUSH COAT. A warm, comfortable, and stylish 100% wool jacket for all-around wear by Woolrich. Four large pockets with button flaps. Shirt collar. Five button front. Sizes: S, M, L, XL. Color: grey tweed.
A350 ..... ave. wt. 28 oz. **$25.00**



HIKING PANTS. Designed for rugged wear and comfort. Plenty of convenient pockets—four in front (outer ones with flaps). Two hip pockets with bottoned flaps on mens model only. Bronze corduroy.
Men's Models:
Flared leg. Even waist sizes 28 to 38. Inseams: 29, 31, 33 only.
A419 .... ave. wt. 18 oz. **$10.75**
Women's Models:
Straight leg. Sizes: 8 to 16. .... **$10.75**

HIKING SHORTS. Same stylish and handy pocket arrangement as the hiking pants in these Jamaica-length shorts.
Men's Models:
Even waist sizes 28 to 38.
A425M bronze corduroy 14 oz. . **$ 9.00**
A426M . blue chambray 12 oz. . **$ 9.00**
Women's Models:
Sizes: 8 to 16.
A425W bronze corduroy 12 oz. . **$ 9.00**
A426W . blue chambray 12 oz. . **$ 9.00**

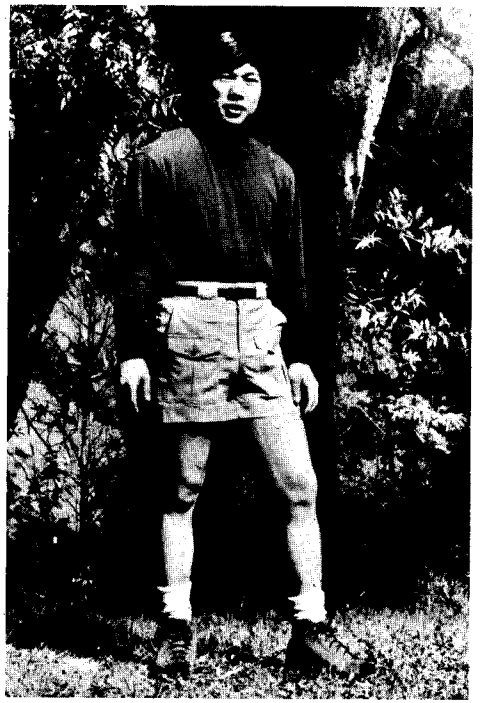
SPORTIF STRETCH PANTS. Finely detailed hiking pants. Espatwill fabric (62% polyester—33% cotton—5% spandex) stretches for comfort. Double layer seat. Four front pockets—two with button flaps. Two zippered rear pockets. Inner change pocket. Large belt loops. Reinforced stitching. Color: Tan. Even waist sizes 28-40. Inseam: regular or long.
A415 .... ave. wt. 16 oz. **$22.00**

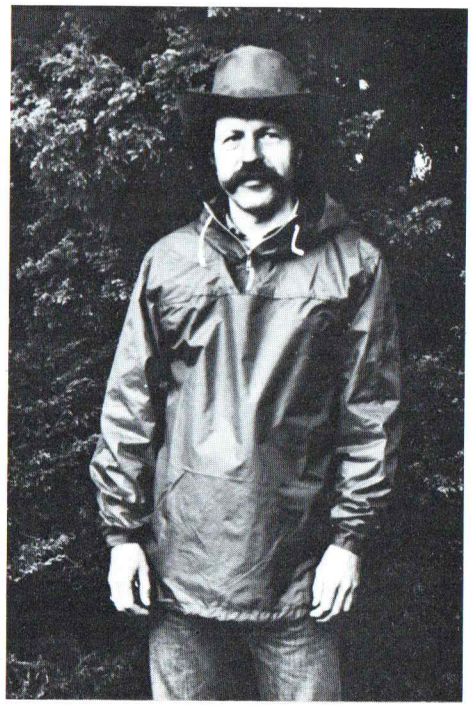
SPORTIF STRETCH SHORTS. Same fabric and design as the Sportif Stretch Pant.
Even waist sizes 28 to 38. Colors: Tan and Navy.
A417M ... ave. wt. 12 oz. **$16.50**

SUEDETTE SHORTS. Made in England for The Ski Hut of 100% cotton suedette, soft but very abrasion resistant. Designed for a comfortable roomy fit. Men's shorts have double-seat and two rear pockets. Women's have single button flap rear pocket. Both have two deep side pockets and wide belt loops. Color: grey.
Men's Model: Sizes 28-36.
A430/M .. ave. wt. 14 oz. **$18.00**
Women's Model: Sizes 10-16.
A430/W .. ave. wt. 12 oz. **$18.00**

AUSTRIAN LEDERHOSEN. Austrian import. Rough-finish grey suede leather. Two front pockets and one hip pocket. Men's have classic button front: ladies have side zipper.
Youth's: Sizes 12, 14, 16.
A406/Y .. ave. wt. 30 oz. **$22.00**
Women's: Sizes 8 to 16.
A407/W .. ave. wt. 32 oz. **$28.00**
Men's: Sizes 28 to 38.
A407/M .. ave. wt. 40 oz. **$26.00**

Lederhosen Suspenders. Specify small, medium or large.
A408 ..... ave. wt. 4 oz. ..... **$ 5.00**





TRAILWISE CAGOULE. A lightweight knee-length parka made of waterproof coated nylon, cut large so that knees may be drawn up inside during bivouac. Kangaroo pocket. Drawcord with nylon slider at hood. Velcro at wrist, drawcord at lower edge. 4" x 10' included. One size.
A120 ..... wt. 19 oz. **$21.50**

CHOUINARD CAGOULE. Made in Scotland of neoprene coated nylon. Will not peel. Drawcord on hood and bottom. Elasticized inner cuffs. Color: orange. Sizes: S, M, L, XL.
A220 ... ave. wt. 24 oz.. ..... **$26.00**

TRAILWISE ANORAK. A lightweight pullover shell of nylon for protection from wind and rain. Nylon zipper at neck. Drawstring hood and hem. Velcro at cuffs. Sizes: S, M, L, XL. Ave. wt. 6 oz.
A125 .. uncoated—green or rust . **$12.00**
A126 .. coated—blue or orange . **$12.00**

TRAILWISE RAIN CHAPS. Coated Nyltown provides protection from rain and wet brush with a minimum of bulk and weight. Adjustable nylon cords tie to belt loops. Sizes: S, M, L. Color: brown.
A124 ... ave. wt. 5½ oz. ..... **$ 5.75**

TRAILWISE NYLPORT PONCHOS. Urethane-coated nylon, completely waterproof, will not crack or peel. For those who want a quality lightweight poncho. Snaps are set along edges. With hood. Color: navy and green.

Standard: Measures 55" x 90".
A121 ..... wt. 16 oz. **$16.50**
Overpack: Measures 55" x 120". Extra long in back for use over pack. May be shortened with snap fasteners for normal wear.
A122 ..... wt. 20 oz. **$20.00**

NYLON PONCHO. Waterproof rubberized nylon, 50" x 80". Snap fastener closures; drawcord hood. Green and yellow reversible.
A200 ..... wt. 23 oz. ..... **$ 6.00**

COLUMBIA RAINCOAT. Light, waterproof, full-length double slider metal zipper, drawstring hood concealed in collar. Rip-resistant K-Kote nylon will not shrink, crack, or peel. Color: navy. Sizes for men or women: S, M, L, XL.
A203 .... ave. wt. 10 oz. **$15.00**

ROLLER-CRUSHER. Can be shaped to suit your mood. Takes crushing, smashing, folding, and stomping in its stride. Tends to become very distinctive in shape after long wear. Colors: black, red, green, gold. Sizes: 6-7/8 to 7¾.
A701 ..... ave. wt. 3 oz. ..... **$ 3.00**

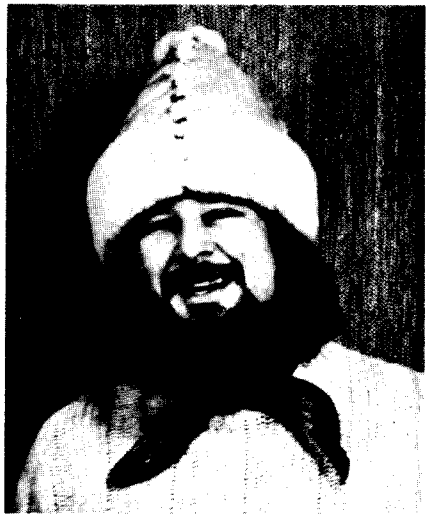
ORLON BALACLAVA. Looks good and gives maximum all-weather face protection. 100% Orlon double fabric knit. Colors: black, navy, red.
A710 ..... wt. 3 oz. ..... **$ 2.25**

HIKING HAT. Crew style in 100% cotton. Colors: white, tan and navy. Sizes: S, M, L, XL.
A702 ..... ave. wt. 2 oz. ..... **$ 3.25**

WOOL BALACLAVA. The original British Balaclava helmet; an invaluable item for extremely cold weather. Can be used either as a cap or a full protective helmet. Made from long fiber, soft, fleecy, Shetland wool. Colors: navy, grey, bottle green or orange.
A711 ..... ave. wt. 4 oz. ..... **$ 2.75**

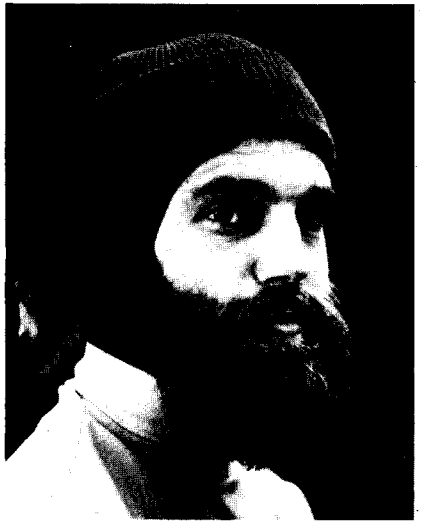
BASQUE BERET. Made in traditional style of 100% wool felt. Leather head band. Color: black. Sizes: 6-7/8 to 7¾.
A729 ..... ave. wt. 4 oz. ..... **$ 3.25**

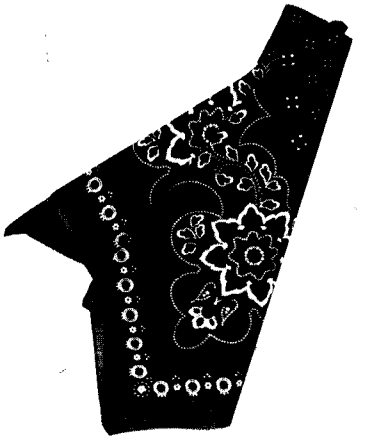
HEAD BANDS. 100% wool. Shaped pattern fits well over forehead and ears. Wide range of colors; please indicate alternate choices.
A713 ..... wt. 1 oz. ..... **$ 1.00**



SHEEPSKIN CAP. No warmer cap made. Three panels of natural sheepskin (with fleece left on) are hand stitched with contrasting leather thongs to form a cap reminiscent of the Mongolian Steppes. Stylish and practical, this cap should last a lifetime. Sizes: M & L.
A704 ..... wt. 12 oz. **$18.00**

BANDANNAS. Traditional bandannas in assorted patterns. Colors: red or blue.
A730 ..... 20" . wt. ½ oz. . **$ .35**
A731 ..... 27" . wt. 1 oz. . **$ .85**





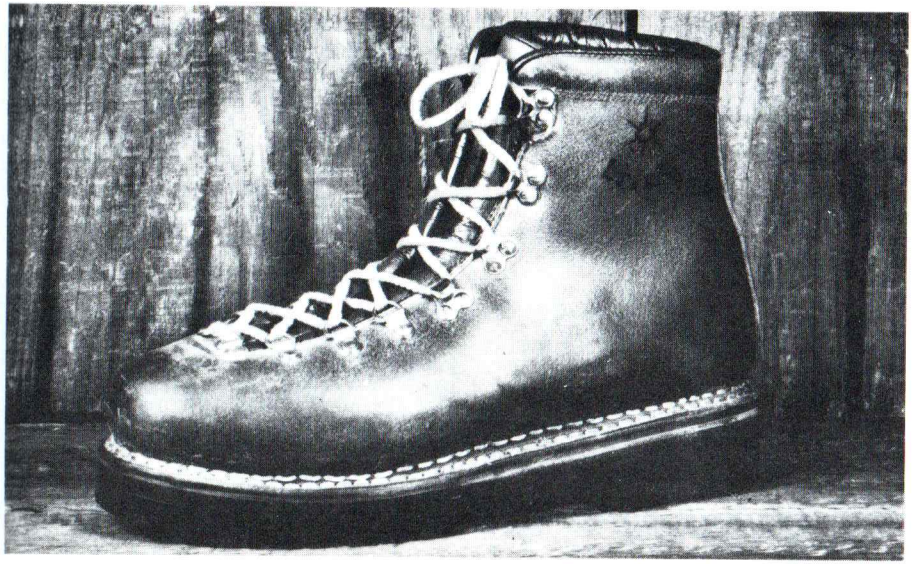
MUIR TRAIL. By **Pivetta.** An excellent lightweight trail boot of grey abrasion-resistant suede. Fully lined in smooth calf; padded non-slip tongue and padded ankle section. Reinforced toe caps and heel counters. Steel shank. Non-skid Vibram lug soles. Doubles as an excellent climbing boot. Height 6". Sizes 4 to 14; widths AAA to D.
B101 ..... ave. wt. 3 lbs. **$33.00**

EIGER. By **Pivetta.** Heavy-duty Italian mountaineering boot exclusively designed and sold by The Ski Hut. Black leather upper, resistant to rock abrasion and water penetration. Padded throughout ankle section; fully lined in calfskin. Hard toe and heel counter. Vibram Montagna sole is cemented on, and reinforced by brass screws at toe and heel sections. Steel shank. Sole is trimmed to eliminate overhang. This boot has been proven on expeditions to the Andes, Himalayan, Alaskan and African ranges. Height 6½". Sizes 5 to 14; widths A to E.
B106 ..... ave. wt. 4¾ lbs. **$45.00**

PIVETTA 5. By **Pivetta.** Medium-weight hiking boot. Built on the same last and design as the Muir Trail, this boot features smooth-finish leather uppers and a leather midsole. Calf lined, padded non-slip tongue and padded ankle section. Superior Vibram unit sole and heel. Reinforced toe caps and heel counters. Steel shank. Height 6". Sizes 5 to 14; widths AAA to D.
B102 ..... ave. wt. 4 lbs. **$41.50**

MONTE ROSA. By **Pivetta.** Developed in Europe for climbing in the Alps. Roughout oil-tanned leather for abrasion resistance. Fully lined with chrome-tanned leather, backed with foam rubber around the ankle section, including tongue. Reverse seams. The Vibram Montagna sole has no overhang, assuring good balance on rock and technical ice. Lacing hooks. Steel shank. Height 5½" plus 1" snow and scree collar. Sizes 5 to 12; widths A to D.
B105 ..... ave. wt. 4½ lbs. **$46.50**

PLUME. By **Le Trappeur.** A basic medium-weight mountaineering boot. Stiff enough for cramponing. Smooth, waterproof black leather. Lined and padded. Vibram Montagna sole. Speed lacing rings and hooks. Sizes 5 to 12; width: medium.
B501 ..... ave. wt. 5 lbs. **$48.50**



JIRISHANCA. By **Brixia.** Hand formed of famous swiss **"Galusser"** leather. This superior leather takes nine months in tanning. (Two separate tannings and hand waxing). Thick rubber mid-sole, three separate leather mid-soles and extra strong steel shank provide rigidity for cramponing. Vibram soles are closely trimmed for edging. Fully lined in soft calf. Padded. Water tight bellows tongue. Sizes 6 to 13; widths: medium and wide.
B601 ..... ave. wt. 6 lbs. **$62.00**

THE PROFESSIONEL. By **Le Trappeur.** A superior all-around mountaineering boot. Lined and fully padded. Waterproofed, roughout leather with high carbon Vibram soles. Stiff wooden shank provides the rigidity necessary for cramponing but does not conduct cold as do metal shanks. Tongue is gusseted and padded. Speed lacing rings and hooks with lace gripper for fast and accurate lace tensioning. Felt inner soles. Sizes 7 to 13; width: medium.
B502 ..... ave. wt. 6 lbs. **$63.00**

MINARET SKI MOUNTAINEERING. By **Hochland.** An imported combination boot that is supple and comfortable for touring yet readily serves for downhill skiing. Made of pebble-grained black leather with shallow-tread Vibram lug soles for ski-climbing. Inner speed-lacing. Hinged heel allows forward flexibility. For men and women. Sizes 6 to 14; widths: medium and wide.
B202 ..... ave. wt. 5 lbs. **$40.00**

RED SPIDER. By **Pivetta.** A technical climbing boot. Red suede uppers with rubber caps over toe and heel counters for abrasion resistance. Extreme stiffness for edging is provided by thick mid-sole and steel shank. Lace grip for controlled tension adjustment of laces. Soft ankle collar. Closely trimmed **Vibram Roccia** sole for edging control. Sizes: 6½-11, widths AA & A.
B100 ..... ave. wt. 3¼ lbs. **$38.50**

HIVERNALE. By **Galibier.** A double boot with two sets of inner boots. The "arctic" inner is felt on the lower and leather on the upper exterior, fully lined with synthetic fur. The "alpine" inner has a black leather exterior and is lined with felt. Outer boot is smooty black leather with closely trimmed lug soles and is so lightweight that one can climb in it as well as in a single boot. Hinged heel. Lacing rings. For technical climbing in very cold weather. Sizes 5½ to 13; medium width.
B401 ..... ave. wt. 6½ lbs. **$125.00**

"RR" YOSEMITE. By **Galibier.** Designed by Royal Robbins and manufactured by Galibier as a heavy duty rockclimbing shoe. Not recommended for hiking. The Varappe has become the most popular and most versatile rockclimbing shoe in the United States. Rigid for edging and comfort in slings, yet sufficiently flexible to conform to sloping holds. Gripping device on lacing allows separate adjustment of lace tension for walking. Uppers are blue suede with a thickness of rubber over toe and heel counter; padded ankle; lug sole. Sizes 5 to 12; width medium.
B404 ..... ave. wt. 3¼ lbs. **$41.75**

HALF BREED. By **Bass.** A moccasin style walking shoe with vibram block sole. Waxed Leather. Sizes 6 to 12; widths: medium and wide.
B702 ..... ave. wt. 2½ lbs. **$23.50**

PIVETTA BOOTS

Montebelluna, Italy, has earned the reputation of being the center of the highest quality boot manufacturing in Italy. Mr. Rudolf, the owner of the Ski Hut, first visted Montebelluna in 1951 for the purpose of seeking a reputable boot manufacturer. He called on the Montebelluna firm of Pivetta and was so impressed with Pivetta's quality of production and willingness to produce boots according to Mr. Rudolf's specifications, that Mr. Rudolf immediately ordered samples to be sent to the Ski Hut.

A search was made for an appropriate last. But first of all we at the Ski Hut had to ask ourselves, "What are the boots to be used for?" Hiking, climbing or style? Obviously, for our purposes, the main uses were to be hiking and climbing. But these related activities called for different lasts. The hiking last must allow considerable freedom in the toe section and also allow the large toe to function as a thrusting element. Such a last also must have sufficient swing to it to enable the foot to assume its natural shape. The climbing last, on the other hand, must be such that the boot comes to have close fitting contact with all of the foot. It must be a constrictive last, causing the boot to have sensitive control in rock climbing but not comfort on the trail.

Our search for our hiking last was aided when we found out about a gentleman by the name of Munson, who realized the importance of such a hiking last when he created the specified U.S. Army marching last.

In 1953 we sent the first Munson last to Pivetta. We soon realized that even this last needed to be slightly modified to create boots suitable for both rocky trails and meadow hiking. After two years of experimentation we arrived at the last being currently used in our Muir Trail, Pivetta 5, Eiger and Monte Rosa boots. After a similar time of extensive experimentation we arrived at the more constrictive climbing last used in the Spider series of boots. We believe our lasts to be excellent for the American foot and that they give the Pivetta boot the best fit of any boot in today's market.

As for materials and workmanship we hesitate to use platitudes such as the finest, best, highest quality, etc., but we do not hesitate to invite you to compare the workmanship in Pivetta boots to other lines, who have, in many cases, tried to copy the Pivetta quality. One comparison is to look inside and see if the other boots have one row of stitching or two rows as in the Pivetta. Also note that all Pivetta boots are stitched internally rather than with external stitching. Internal stitching is considered superior by many authorities because it is more waterproof, in that water cannot wick into the boot through the exterior stitching, and stronger in that the part that holds the boot together is not exposed to the damaging elements. Compare the toe and heel counters and you will find that the Pivetta's have sturdier counters than in other similar styles. Look inside and note that Pivetta boots have genuine leather insoles and linings, and not synthetic leather or plastic and of course Pivetta boots have steel arch supports, use nylon thread in all stitching and possess the high quality yellow label "Vibram" soles.

HOW TO ORDER BOOTS

Please follow these directions carefully. The information requested below is essential for the fitting of your boots.

1. Put on the socks you intend to wear. Stand up on a piece of paper, having the weight of your body equally distributed on both feet. Holding a pencil vertically, clearly define the outline of each foot.
2. State your usual dress shoe size. Give both length and width; for example 9-C.
3. Enclose the foot outline and your dress shoe size with your order.

NOTE: We guarantee a proper fit. Instructions for trial use of your boots will be sent with them. Please observe these instructions carefully as boots which have been worn out-of-doors will not be accepted for exchange or refund. If the fit is incorrect, send the boots back to us with the coupon provided on the instruction sheet. A new pair of boots will be sent back to you postpaid.

FLAT NYLON LACES. Non-slip. Colors: orange, blue, green.
B908 ..... 54" ..... **$ .50**
B908 ..... 72" ..... **$ .60**

LEATHER LACES. Oil-tanned and made from heavy gauge leather. Length: 72".
B910 ..... wt. ¾ oz. ..... **$ .75**

SNO-SEAL. The original waterproofing for leather.
B902 ..... 8 oz. can ..... **$ .85**
B903 ..... 4 oz. can ..... **$ .55**

LEATHER SEAL. For waterproofing shoes, ski and hiking boots.
B905 ..... 8 oz. can ..... **$ 1.40**

SNO-SHOO. Silicone waterproofing spray for shoes and boots. May also be used on suede.
B901 ..... 8 oz. aerosol can ..... **$ 1.50**

RESOLING SERVICE. We recommend that you engage your local shoe repairman to undertake resoling, as the savings in money and time are considerable.

Price includes sole, rubber midsole and labor . **$14.00**
Cost of shipping and handling (Parcel Post) .. **$ 1.50**
Note. Please insure boots when they are mailed. Allow four weeks for two-way shipment and resoling service.

Boots sent to us for resoling or repair must be clean before they will be accepted.

VIBRAM RUBBER LUG SOLES. Made of black compound rubber that will grip on almost any surface except glare ice. Used extensively by mountaineers throughout the world.

VIBRAM MONTAGNA SOLES AND HEELS. For hiking and mountaineering boots.
B009 soles ..... ave. wt. 8 oz. ..... **$ 3.00**
B010 heels ..... ave. wt. 8 oz. ..... **$ 1.50**

RUBBER MIDSOLES. Needed to obtain best bonding of lug soles.
B013 ..... ave. wt. 6 oz./pr. ..... **$ 1.00**

VIBRAM KLETTER SOLES. For kletterschuhes without raised heels.
B011 ..... ave. wt. 12 oz./pr. ..... **$ 3.25**

TRAILWISE DOWN BOOTEES. Ideal slippers for keeping feet warm in cabin, tent, or sleeping bag. Pure fluffy goose down fills differentially cut shells for the ultimate insulation. Soles are ¼" ensolite covered with urethane-coated nylon duck to keep out ground cold. Inner sole is cotton for non-slip comfort. Hidden elastic holds bootee snugly against heel. Drawstring at top. Height is 11". Sizes: S, M, L, XL.
A115 ..... ave. wt. 8 oz. **$12.00**

NORWEGIAN BOOT SOCKS. This famous 100% wool all around boot sock is made to our specifications with extra high tops suitable for 8" mountaineering boots. Color: grey. Sizes: 9-13.
A901 ..... ave. wt. 4½ oz. ..... **$ 3.00**

EXTRA-HEAVY NORWEGIAN SOCKS. Ribbed top; nylon reinforced heel and toe. Extra thick wool for additional cushioning and warmth. Color: off-white. Sizes: 9-13.
A902 ..... ave. wt. 6¼ oz. ..... **$ 4.50**

ALPINE STRETCH RAGG SOCKS. 85% wool, 13% nylon, 2% spandex. Grey and white twist. Stretch sizes: 8½-11, 11-14.
A904 ..... ave. wt. 4 oz. ..... **$ 2.50**

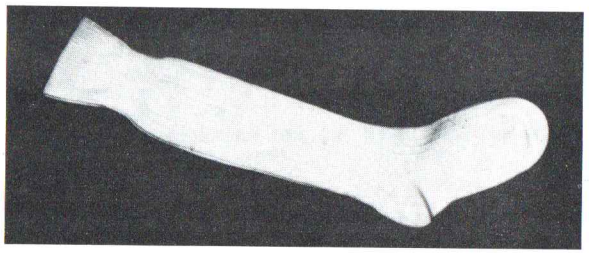
NORSE THERMAL SOCKS. Thickly cushioned inner pile provides great comfort and excellent insulation. 75% wool, 25% nylon. Shrink resistant. An excellent all-around boot and casual sock. Colors: white, red, or blue. Stretch sizes: 9-11, 11-14.
A903 ..... ave. wt. 3 oz. ..... **$ 3.00**

NORWEGIAN LONG BOOT SOCKS. Knee length Ragg socks made of 100% heavyweight wool. Highest quality. Color: grey. Sizes: 9-13.
A930 ..... ave. wt. 7 oz. ..... **$ 4.50**

NORGE KNICKER SOCKS. Heavy weight stretch knicker socks of 60% wool/40% nylon. 25" length. Ribbed top. Color: camel, cranberry, or navy. Sizes: M (9-11), L (11-13).
A931 ..... ave. wt. 6 oz. ..... **$ 4.50**

ROYLON KNICKER SOCKS. Soft, warm, and long-wearing. 55% wool, 45% Dralon. Wide rib knit. elasticized knee. Colors: powder blue, medium grey, bright red, heather green. Sizes: 9-12.
A932 ..... ave. wt. 6 oz. ..... **$ 5.50**

ROYLON PATTERNED KNICKER SOCKS. Scandinavian snowflake pattern in 55% wool, 45% acrylic. Elasticized knee. Colors: red on black, olive on black, blue on black. 9-12.
A933 ..... ave. wt. 5 oz. ..... **$ 6.00**



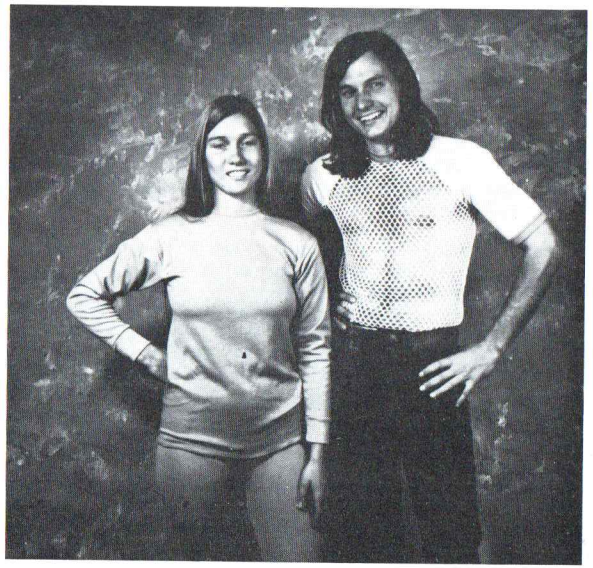
JANUS WHITE KNICKER SOCKS. Made in Norway to Ski Hut specifications. Exceptional stretch provided with a blend of 78% wool, 22% synthetic fibers. Medium weight. Pure white. Ideal for wear with the "Jette Super" cross-country boot. Stretch sizes: 9-10, 11-12.
A934 ..... ave. wt. 6 oz. ..... **$ 6.25**

ADLER STRETCH SOCKS. 55% wool, 45% synthetic. A medium-weight sock for sport or casual wear. Shrink resistant. Colors: green, bourbon, grey, white. One size 10½-13.
A906 ..... ave. wt. 2½ oz. ..... **$ 1.50**

EXTRA-HEAVY WICK-DRY SOCKS. Double layer socks. Inner layer repels moisture while outer layer absorbs moisture, keeping feet dry. 50% orlon, 40% nylon, 10% cotton. Stretch sizes: 9-11, 10-13. Color: white.
A908 ..... ave. wt. 3½ oz. ..... **$ 2.50**

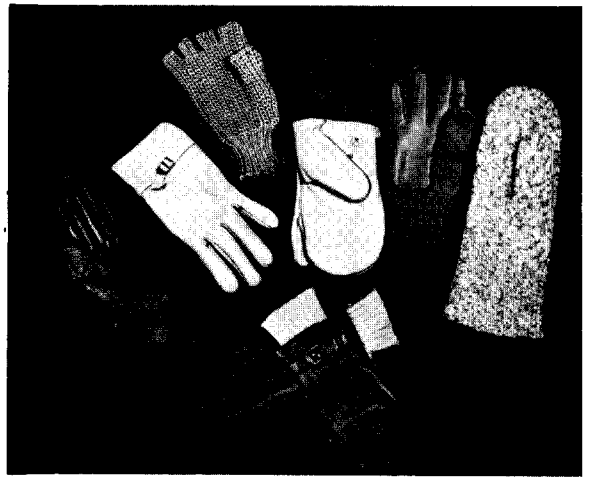
WICK-DRY LIGHTWEIGHT INNER SOCKS. Recommended for wear under heavy bootsocks. 70% polypropylene, 30% nylon fibers carry moisture away from foot. Color: white. Stretch sizes: 9-11, 10-13.
A909 ..... ave. wt. ¾ oz. ..... **$ 1.00**

MOJAVE LIGHTWEIGHT WOOL INNER SOCKS. 100% wool. For wear under heavy bootsocks. Color: white. Sizes: 8½-9, 9½-10, 10½-11, 11½-12, 12½-13.
A910 ..... ave. wt. 1¼ oz. ..... **$ 1.35**



SKI SKINS. Dual layer underwear. 50% polyester, 50% cotton layer for soft comfort next to your skin. Outer layer is 70% polyester, 30% Austrian wool for warmth. Men's: S, M, L, XL. Color: navy. Women's: S, M, L. Color: powder blue.
Men's Model:
A655/m ..... Shirts ave. wt. 9 oz. ..... **$ 7.00**
A656/m ..... Longs ave. wt. 8 oz. ..... **$ 7.00**
Women's Model:
A655/w ..... Shirts ave. wt. 8 oz. ..... **$ 6.50**
A656/w ..... Longs ave. wt. 7 oz. ..... **$ 6.50**

FISHNET UNDERSHIRT. Fishnet design creates small insulating airspace for winter warmth but helps ventilate for summer cool. Full-knit raglan shoulder prevents pack-strap chafing. Ventilated underarm gussets. 50% cotton—50% polyester. Color: cream with tan trim. Sizes: S, M, L, XL.
A652 ..... ave. wt. 6 oz. ..... **$ 5.00**



DOWN SKI MITTS. Deerskin mitten filled with goose down. Baffles nylon lining. Knit inner cuff keeps out snow and cold. Sizes: men's and women's S, M, L, XL. Color: black
A505 ..... ave. wt. 7 oz. **$23.00**

ROPER'S GLOVES. A first quality glove of cream-colored tanned cowhide. Palm is free of stitching along finger and thumb bases. Strap adjustment on back. Sizes: 8 to 12.
A502 ..... ave. wt. 5 oz. ..... **$ 5.00**

MILLARMITTS. British fingerfree glove. Back and wrist are water-repellent 100% wool, silicone treated. Palm is long-wearing non-slip textured cotton. Frees fingers for climbing, fishing, etc. Color: tan with brown. Sizes: S, M, L.
A508 ..... ave. wt. 2¾ oz. ..... **$ 7.25**

G. I. GAUNTLET MITTS. Very good for cold weather mountaineering. Full leather palm and thumb; back and gauntlet of close-weave cotton twill. Removable wool liner, strap for tightening and independent index finger. Sizes: S, M, L.
A501 ..... wt. 2 oz. ..... **$ 5.00**

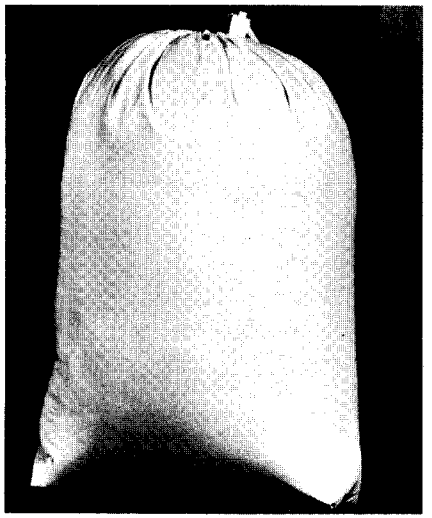
KNIT GLOVES. Stretch knit of 80% acrylic and 20% nylon with deerskin palms. Color: camel. One size.
A503 ..... ave. wt. 2 oz. ..... **$ 5.00**

DACHSTEIN MITT. Knitted Austrian mitten of 100% wool. Pre-shrunk. Heavy weight. Color: grey. Sizes: S, M, L.
A504 ..... ave. wt. 6 oz. ..... **$ 6.00**

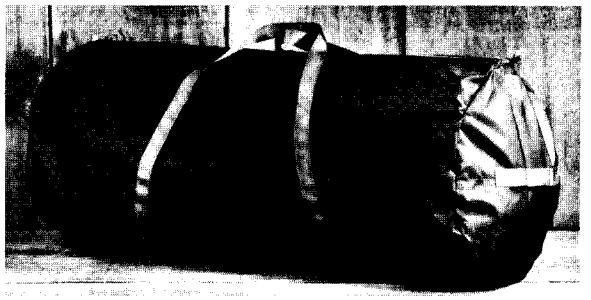
DOUBLE GLOVE. Pigtex deerskin glove with adjustable strap at wrist. Inner glove of wool reinforced with nylon. Either can be worn separately. Sizes: men's S, M, L, XL; ladies' S, M, L. Leather shell—camel. Wool liner—beige.
A515M ..... men's .... wt. 8 oz. **$14.50**
A515W ..... women's .... wt. 7 oz. **$14.50**

WOOL GLOVE LINER. Excellent for use alone as a ski touring glove or in conjunction with outer glove for extra warmth. 80% wool—20% nylon. Men's one size—black. Women's one size—beige.
A513 ..... wt. 1½ oz. ..... **$ 2.50**

SILK GLOVE LINER. Augments warmth of any glove or mitt. 100% silk. Heavy weight for durability. One size men and women. Color: natural.
A512 ..... wt. 1 oz. ..... **$ 3.00**

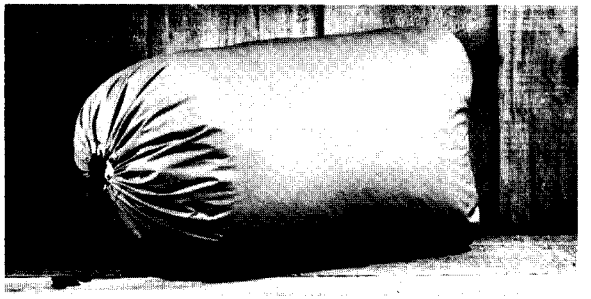


TRAILWISE STUFF BAGS. Made of lightweight coated waterproof nylon. Drawcord closure with nylon slide lock.
R120/46
4" x 6" ..... wt. 1 oz. ..... **$ 1.25**
R120/510
5" x 10" .... wt. 1¾ oz. ..... **$ 1.40**
R120/711
7" x 11" ..... wt. 2 oz. ..... **$ 1.75**
R120/718
7" x 18" .... wt. 2¼ oz. ..... **$ 2.00**
R120/722
7" x 22" .... wt. 2½ oz. ..... **$ 2.50**
R120/918
9" x 18" .... wt. 2½ oz. ..... **$ 2.50**
R120/921
9" x 21" .... wt. 2¾ oz. ..... **$ 2.75**
R120/1121
11" x 21" .... wt. 3 oz. ..... **$ 3.25**



TRAILWISE NYLON ZIPPER DUFFLE. Strong and light. Full length nylon zipper. Urethane-coated nylon duck with wrap-around nylon web handles. Nylon web handles on both ends. Size 14" x 30". Colors: blue, brown, orange.
R119 ..... wt. 16 oz. **$14.50**

GERRY KIDDIE PACK. Deluxe "feather float" suspension with padded shoulder yoke extending padding completely across shoulders. Tubular aluminum cantilever frame. Carrying sack of washable duck. Seat height is adjustable with storage space underneath. Waist safety strap holds infant securely. Wide back-band transmits part of load to hips. For babies 4 months to 3 years. Colors: blue, orange, green.
R811 ..... wt. 24 oz. **$14.50**



DUFFLE BAG. Inexpensive bag, ideal for river trips or travel in wet country. Made of rubberized cotton fabric, with sealed seams. Drawcord closure. Round bottom. Size 15" x 30".
R605 ..... wt. 17 oz. ..... **$ 1.50**

OPTIMUS 80. This compact stove comes in a metal box which serves as a windscreen/cooking pot stand. Burns white gas and requires no pumping. ½ pint burns about 1½ hours. Rated to boil 1 quart of water in 4 to 5 minutes. Size closed 5¾" x 4¾" x 3¾".
U701 ..... wt. 20 oz. **$13.00**

SVEA 123. An ideal combination of high efficiency and low weight, this practical Swedish stove will fit into any ordinary rucksack pocket. Burns about 1 hour on 1/3 pint of white gasoline. Rated to boil 1 quart of water in 6 minutes. Requires no pumping. Safety valve. Integral windscreen also serves as stand for pots. Small pot is included with stove. Packed size with windscreen and pot 5" x 3¾" diameter.
U703 ..... wt. 18 oz. **$14.00**

SIGG TOURIST. A lightweight camp stove set, designed for use with Svea stove. Set consists of one casserole of 2½ pint capacity, one casserole of 3½ pint capacity, one lid/pan, upper and lower wind guard, strap, and Svea gasoline stove. Stove fits inside pots. Nested size 8¼" dia. x 4¾" high.
U733 ..... wt. 2 lbs. **$25.00**

Sigg Tourist set without stove.
732 ..... wt. 21 oz. **$13.25**

TOURIST - II 1. Set of pots with the same dimensions as those in the Sigg Tourist set. Taiwanese quality and price.
U733 ..... wt. 19 oz. ..... **$ 5.00**

OPTIMUS OOL. Burns kerosene. Tank holds 1 pt. which lasts about 2 hours. Rated to boil 1 quart of water in 3-5 minutes. Has a pressure pump. Collapsible for easy transportation. Packed in tin-plated box which measures 7" x 5½" x 3¾".
U705 ..... wt. 24 oz. **$16.25**

OPTIMUS 111B Wide, low profile gives stable base for pots. 1 pint of white gas will last about 2 hours. Powerful, regulating burner with self-cleaning device. Rated to boil 1 quart of water in 3 to 4 minutes. Wind-shield ensures perfect working under adverse conditions. Built-in pump provides desired pressure. Brass tank with safety valve. Japanned steel case measures 6¾" x 6¾" x 4-1/8".
U715 ..... wt. 3-1/3 lbs. **$27.00**

OPTIMUS 99. A compact, two-piece pack stove. The top part doubles as a sauce pan. Windscreen is included. Burns white gas and does not require pumping. Fuel consumption is ¼ pt. per hour. Fuel capacity 1/3 pt. Rated to boil 1 quart of water in 6 minutes. Size closed: 5" x 5" x 3.2".
U704 ..... wt. 20 oz. **$16.25**

OPTIMUS 8R. Smaller version of the 111B. Self pressure system. 1/3 pt. of white gas lasts about 1¼ hrs. Rated to boil 1 qt. of water in 6 to 7 minutes. Size 5" x 5" x 3".
U714 ..... wt. 27 oz. **$15.00**

BLEUET. This French stove uses disposable butane cartridges. Each cartridge will burn for 2½ to 3 hours at maximum flame. Regulating valve controls flame. No priming, preheating, or pumping—simply open valve and light. 8½" x 3½".
U710 ..... wt. 16 oz. ..... **$ 6.25**
Bleuet Windscreen
U610/w ..... wt. 2 oz. ..... **$ .90**
Bleuet Cartridge
U711 ..... wt. 10 oz. ..... **ea. $ .80**
Box of 6 Bleuet Cartridges
U712 ..... wt. 3¾ lbs. ..... **$ 4.50**

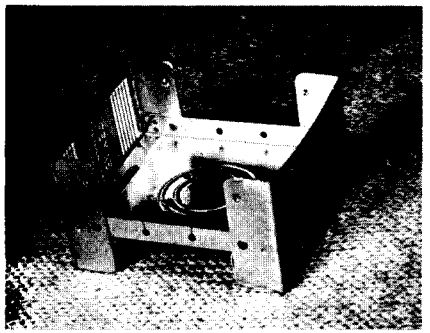
Butane cartridges may not be shipped by Air Mail.

Cleaning Needle ..... **each $ .05**

PHOEBUS 625. Ideal for high-altitude expeditionary use, this compact and versatile Austrian stove is rated to boil one quart of water in 4 minutes. Burns white gas, but regular gas may be used if the cooking area is properly ventilated. Burns 1½ hours on one pint of fuel. Packed in a 5½" dia. x 7½" metal cylinder.
U707 ..... wt. 42 oz. **$19.50**

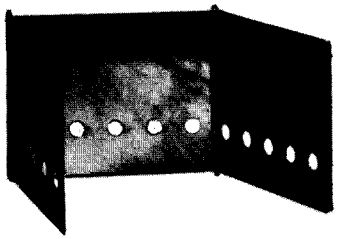
STOVE CHART

MODEL	FUEL TYPE	FUEL CAP.	BURNING TIME	TIME TO BOIL 1 QT. WATER
Svea 123	White gas	1/3 pt.	1 hr.	6 min.
Optimus 80	White gas	1/2 pt.	1½ hr.	4-5 min.
Optimus 8R	White gas	1/3 pt.	1¼ hr.	6-7 min.
Optimus 111B	White gas	1 pt.	2 hrs.	3-4 min.
Phoebus	White gas	1 pt.	1½ hr.	4 min.
Optimus 99	White gas	1/3 pt.	1¼ hr.	6 min.
Optimus 00L	White gas Kerosene	1 pt.	2 hrs.	3-5 min.

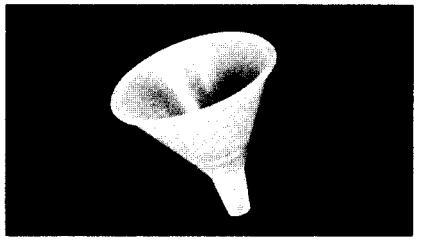


HEAT TAB STOVE. Simple folding stove uses solid fuel tablets. Two hours fuel included.
U716 ..... wt. 2 oz. ..... **$ 2.00**

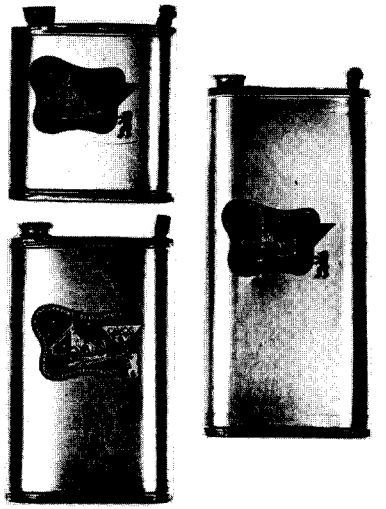
HEATABS. Solid fuel tablets. May be used with Heatab stove or for starting fires and priming gasoline stoves.
2 hr. supply
U717 ..... wt. 3 oz. ..... **$ 1.00**
4 hr. supply
U718 ..... wt. 6 oz. ..... **$ 1.40**



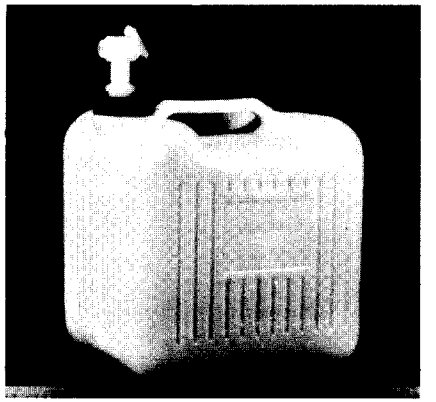
ALUMINUM WINDSCREEN. Folding windbreak for small stoves. Three 5" x 6" hinged panels. Draft holes near bottom.
U740 ..... wt. 4 oz. ..... **$ 5.00**



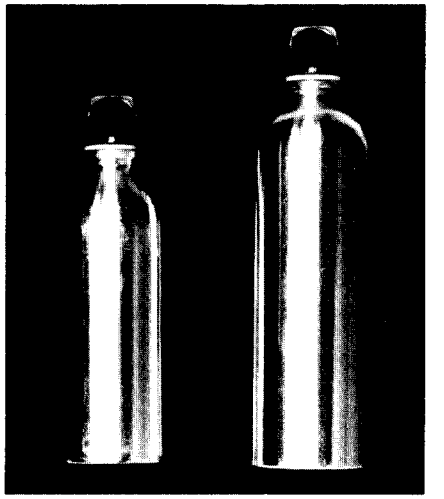
PLASTIC FUNNEL. Lightweight polyethylene, with metal screen to filter gas for camp stoves, etc.
U911 ..... wt. ¼ oz. ..... **$ .50**



FUEL CONTAINERS. Flat type, Tin alloy, leakproof, non-corrosive. Brass pouring spout and filling cap. Built-in filtering screens.
Vogler made in Austria
U620 1 pint
4" x 1¾" x 4½" wt. 4 oz. ..... **$ 3.50**
U621 1½ pint
4" x 1¾" x 7" wt. 5 oz. ..... **$ 4.00**
U622 1 quart
4" x 1¾" x 9½" wt. 6 oz. ..... **$ 4.15**
Edelweiss made in Taiwan
U625 1 pint
4" x 1¾" x 4½" wt. 4 oz. ..... **$ 2.00**
U626 1½ pint
4" x 1¾" x 7" wt. 5 oz. ..... **$ 2.25**
U627 1 quart
4" x 1¾" x 9½" wt. 6 oz. ..... **$ 2.40**

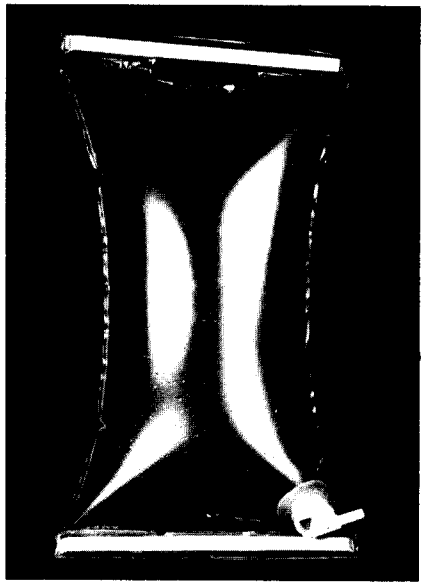


WATER CONTAINER. Made of high density polyethylene. 5 gallon capacity. Removable spigot. Integral handle.
U699 ..... wt. 3¼ lbs. .. **$ 5.50**

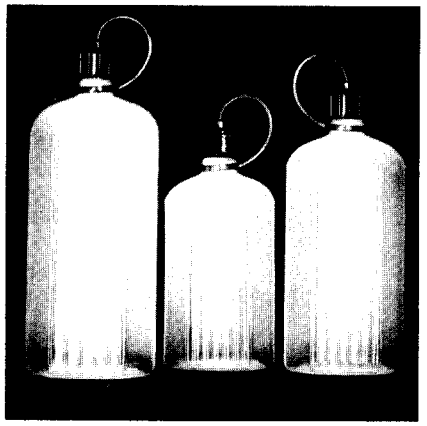


ALUMINUM BOTTLES. Leakproof and non-corrosive. Good fuel bottles.
Red Anodized Finish
Sigg made in Switzerland
U610 pint ..... wt. 4¼ oz. .. **$ 2.70**
U612 quart ..... wt. 6 oz. .. **$ 3.00**
Edelweiss made in Taiwan
U615 pint ..... wt. 4¼ oz. .. **$ 1.85**
U616 quart ..... wt. 6 oz. .. **$ 2.25**
Spun Aluminum Finish
Sigg made in Switzerland
U600 pint ..... wt. 4¼ oz. .. **$ 1.85**
U602 quart ..... wt. 6 oz. .. **$ 2.10**
Edelweiss made in Taiwan
U605 pint ..... wt. 4¼ oz. .. **$ 1.50**
U606 quart ..... wt. 6 oz. .. **$ 1.85**

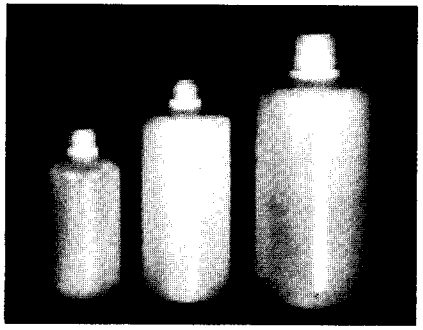
COLLAPSIBLE PLASTIC BOTTLE. Stands upright when filled—collapses when empty. Leakproof plastic screw cap. 5 qt. capacity.
U655 ..... wt. 4½ oz. ..... **$ 1.25**



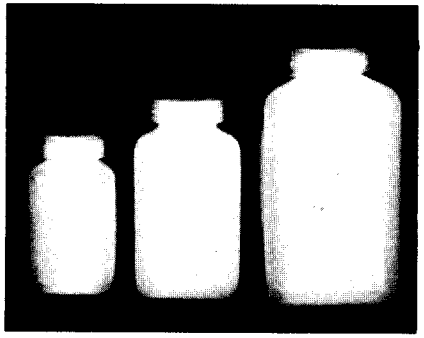
COLLAPSIBLE WATER BAG. Thick, flexible vinyl container holds 11 quarts. May be rolled up. Removable spigot at bottom, handles at both ends. Convenient water supply.
U662 ..... wt. 8½ oz. ..... **$ 3.00**



BOTTLES WITH ATTACHED CAP. Made in Austria of non-breakable soft polyethylene. Vertical corrugations for strength. Non-losable plug stopper and screw cap.
U630 1 pt. ..... wt. 2¼ oz. .. **$ .50**
U631 1½ pt. ..... wt. 3 oz. .. **$ .60**
U632 1 qt. ..... wt. 3½ oz. .. **$ .70**

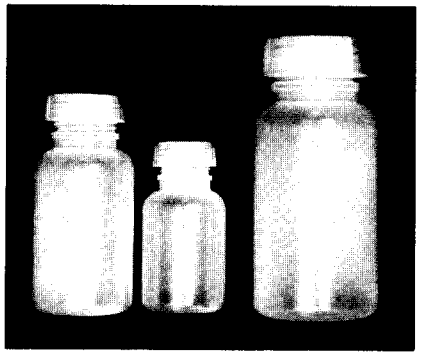


PLASTIC BOTTLES. Round style. Linear Polyethylene for greater strength.
U62002 .. ¼ pt. . wt. 5/8 oz. . **$ .25**
U62003 .. ½ pt. . wt. 1¼ oz. . **$ .30**
U62004 .. 1 pt. . wt. 2¼ oz. . **$ .45**
U62005 .. 1 qt. . wt. 3½ oz. . **$ .80**

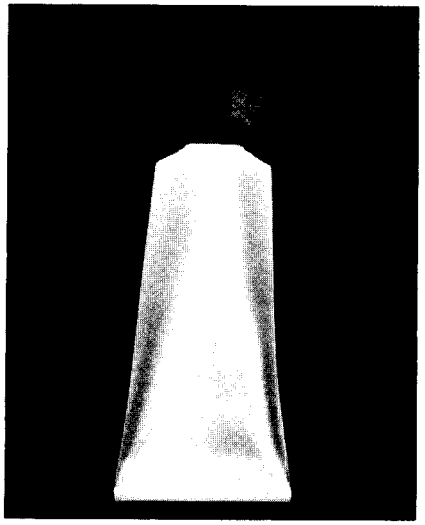


PLASTIC BOTTLES. Square shape for efficient packing. Linear polyethylene.
U62114 .. ½ pt. . wt. 1¼ oz. . **$ .55**
U62115 .. 1 pt. . wt. 2¼ oz. . **$ .75**
U62116 .. 1 qt. . wt. 3½ oz. . **$ 1.20**

PLASTIC BOTTLES. Rectangular shape packs well in minimal space. Linear polyethylene.
U62007 .. ¼ pt. .. wt. ¾ oz. . **$ .30**
U62008 .. ½ pt. . wt. 1½ oz. . **$ .45**
U62009 .. 1 pt. . wt. 3½ oz. . **$ .60**
U62010 .. 1 qt. . wt. 4½ oz. . **$ 1.10**

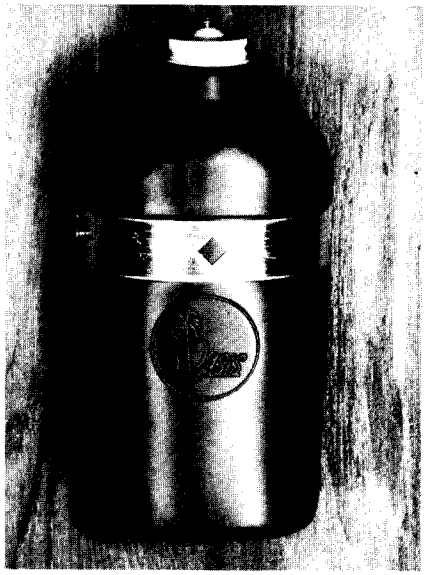


PLASTIC WIDE-MOUTH BOTTLES. Unbreakable polyethylene. Positive sealing heavy-duty lid.
U645 .... ½ pt. . wt. 1¾ oz. . **$ .45**
U646 .... 1 pt. . wt. 2¾ oz. . **$ .75**
U647 ... 1½ pt. .. wt. 3 oz. . **$ 1.00**
U648 .... 1 qt. . wt. 5½ oz. . **$ 1.15**
U649 ... 1½ qt. .. wt. 8 oz. . **$ 1.45**



POLY-SQUEEZE TUBE. Solves the packaging problem for hard-to-carry foods; jams, margarine, honey, peanut butter. Refillable by disengaging the clip at the end. Eggs can be broken into the open tube; yolks will usually remain intact for quick and easy fried eggs in the morning.
U638 ..... wt. ¾ oz. ... **ea. $ .35**
4 for $ 1.00

Extra clips ..... **3 for $ .25**

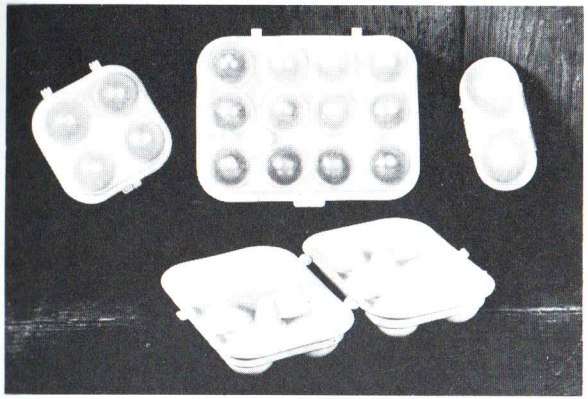


PLASTIC CANTEEN. Lightest of its type. Attached metal cap and belt clip. Holds 1 quart.
U644 ..... wt. 4 oz. ..... **$ 2.30**

PLASTIC FLASK. Unbreakable. Translucent frosted finish. Shaped to fit hip. 10 oz. capacity. Two caps; outer one measures 1 fluid oz.
U643 ..... wt. 2 oz. ..... **$ 1.25**

PLASTIC PROVISION BOXES. Flat, round polyethylene for storing food, etc. Screw top.

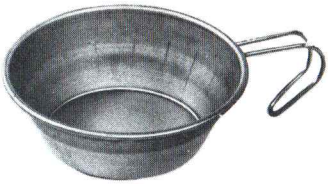
U821	¼ pt.	wt. 1½ oz.	$ .65
U822	½ pt.	wt. 2 oz.	$ .75



PLASTIC EGG BOXES. Hard plastic; will not dent or crush. Condiment containers included.

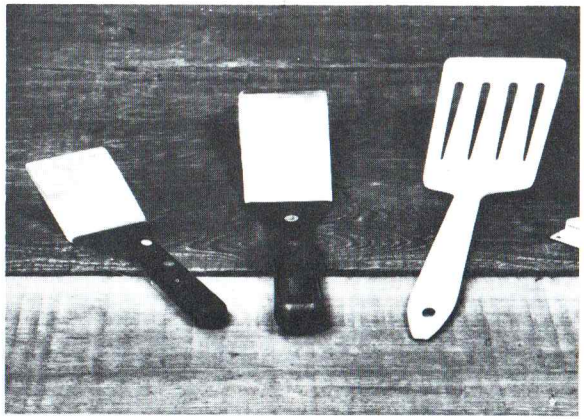
U802	2-egg	wt. 1 oz.	$ .45
U804	4-egg	wt. 2½ oz.	$ .75
U806	6-egg	wt. 3¾ oz.	$ 1.25
U812	12-egg	wt. 6 oz.	$ 2.00

SALT AND PEPER SHAKER. Imported 2-section glass container keeps condiments separated. Plastic screw on caps.
U800 ..... wt. 1½ oz. ..... $ .75



SIERRA CLUB CUP. Classic stainless steel design, far superior to other metals as it is less prone to heat up when filled with hot liquids. The steel wire handle remains cool and can be easily hooked onto belt. Useful for stews, cereals, etc., as well as beverages. 4½" top diameter, 3-1/8" at base, 1¾" deep, nesting.
U400 ..... wt. 3 oz. ..... $ 1.30

PLASTIC CUP. Tough, flexible polypropylene. Marked in ¼-cup increments. Cups nest for packing. Color: white.
U405 ..... wt. 1 oz. ..... $ .20



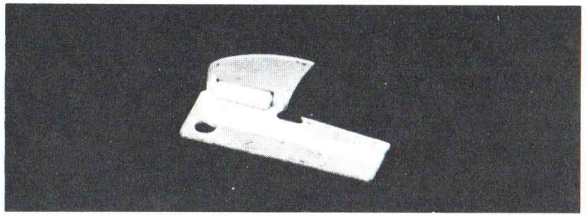
SPATULAS. Rustproof, light stainless steel blade. Hardwood handle with brass rivets.

U901	2" x 2¾" blade	wt. 1½ oz.	$ 1.75
U902	2" x 4" blade	wt. 2½ oz.	$ 2.00

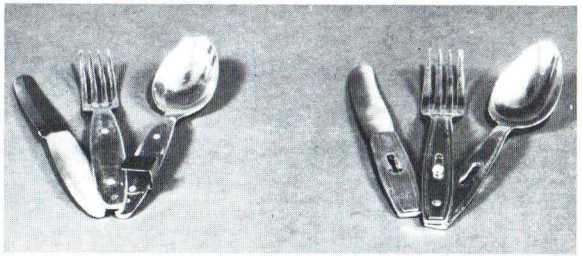
NYLON SPATULA. Fiberglass-reinforced nylon. Heat resistant up to 495° F. Ideal for Teflon surfaces.
U903 ..... wt. 2 oz. ..... $ .65

BOTAS. Authentic Basque winebags. Made of natural tan suede. Lined with tasteless clear coating to protect contents. Red sling cord. Contents can either be poured from the filler spout or squirted directly into the mouth.

U680	1 quart kidney shape	wt. 6 oz.	$ 8.00
U681	1½ quart kidney shape	wt. 6½ oz.	$ 9.00
U682	1 quart teardrop shape	wt. 5 oz.	$ 8.00
U683	1½ quart teardrop shape	wt. 6 oz.	$ 9.00



HANDY OPENER. Tiny, lightweight, efficient folding can opener. Doubles as screwdriver and lid pryer.
U910 ..... wt. 1/8 oz. ..... $ .15

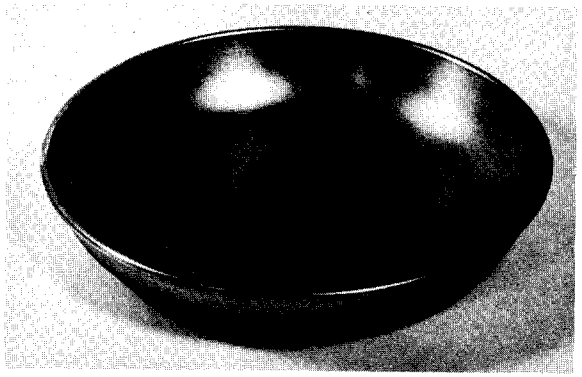


KNIFE FORK SPOON SET. British import. All aluminum with Sheffield stainless steel knife blade. Clip holds utensils firmly together.
U403 ..... wt. 3 oz. ..... $ 2.30

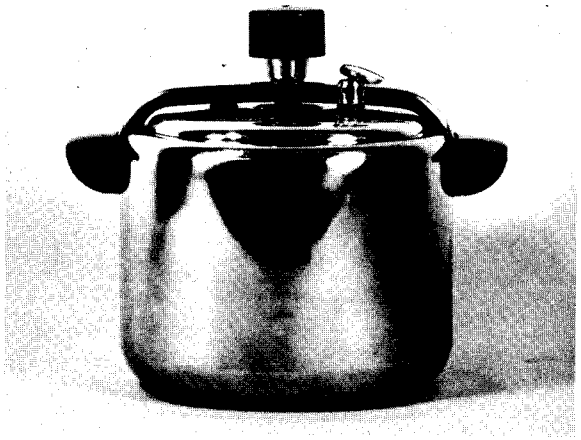
KNIFE, FORK, SPOON. From Germany. Aluminum with steel knife blade. Small peg holds pieces together.
U404 ..... wt. 3 oz. ..... $ 1.75

ALUMINUM SCOUT KETTLES. Swiss-made nesting kettles of first-quality workmanship. Securely fastened bail handles which lock into an upright position. The lid of each kettle also serves as plate or pan.

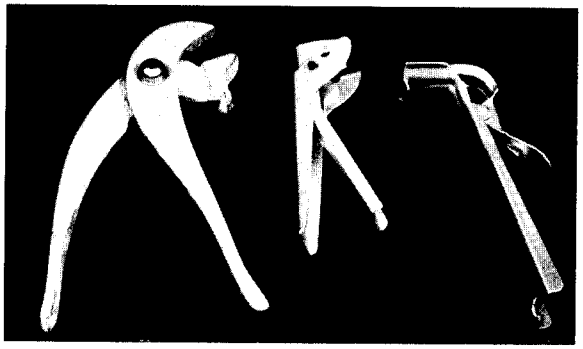
U016	2½ pint	6¼" dia.	wt. 8¾ oz.	**$ 4.50**
U018	3½ pint	7¼" dia.	wt. 11½ oz.	**$ 5.25**
U020	5¼ pint	8" dia.	wt. 14½ oz.	**$ 6.00**
U022	7 pint	8¾" dia.	wt. 17½ oz.	**$ 7.75**
U024	8¾ pint	9¾" dia.	wt. 20 oz.	**$ 8.25**



ALUMINUM DEEP PLATE. Light aluminum. Rounded edges. 8" diameter.
U401 ..... wt. 3 oz. ..... **$ 1.35**



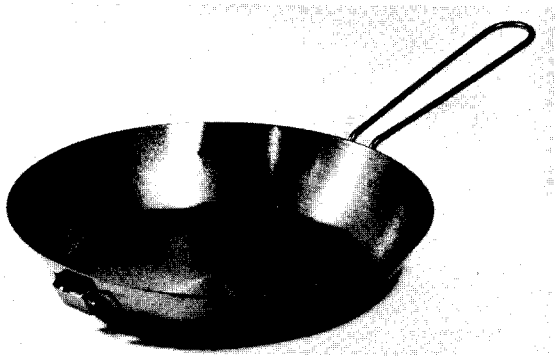
SKY-LINE PRESSURE COOKER. Made in England of heavy duty cast aluminum. Pressure cooking can cut cooking time by half and is especially useful at high altitude where cooking time is normally extended. 4 quart size. Comes with 2 perforated and 1 solid seperator. Pot measures 6½" x 6½". Complete instructions include recipes.
U050 ..... wt. 3½ lbs. **$20.00**



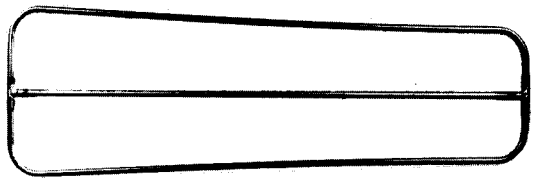
HOT POT TONGS. Lightweight aluminum for gripping hot pots. Hook for lifting wire bales.
U905 ..... wt. 3¾ oz. ..... **$ 1.25**

ALUMINUM POT GRIPPER. Simple, very lightweight. 4¾" long.
U906 ..... wt. 1½ oz. ..... **$ .75**

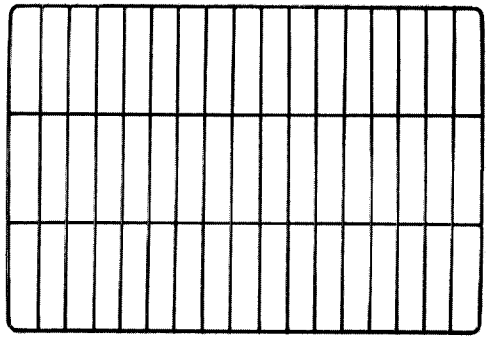
STEEL POT GRIPPER. Spring-loaded grip. Stronger than aluminum for lifting heavy pots. 6" handle.
U907 ..... wt. 3¼ oz. ..... **$ .95**



STEEL FRY PAN. Far superior to aluminum for frying. Detachable handle.
U130 ..... 8¾" dia. ... wt. 12 oz. ..... **$ 3.00**



BACKPACKER GRILL. Lightweight and adaptable. Stainless steel tube construction. Large enough for two average-sized pots. Includes lightweight fabric case. 5" x 15½".
U504 . wt. (w/case) 4 oz. ..... **$ 6.25**



WIRE GRILL. Simple lightweight platform without legs. Nickel-plated steel. 9" x 13".
U502 ..... wt. 7 oz. ..... **$ 1.65**

SAFARI ONE-MAN COOKSET. Spun aluminum from West Germany. Includes 8" plate, 7" fry pan, 6¼" dia. pot with lid, spoon-fork combination, spring pot gripper, and plastic cup. Packs into neat unit 2½" x 8" diameter. Exceptionally lightweight and an excellent value.
U301 ..... wt. 17½ oz. ..... **$ 5.85**

SAFARI II Same as above except made in Taiwan of slightly ligher weight aluminum. Does not include knife, fork, spoon.
U302 ..... wt. 13 oz. ..... **$ 2.25**

ALUMINUM 4-MAN COOKSET. 6, 4, and 2 quart pots. 9¼" Teflon coated fry pan/lid. 8¼" fry pan/lid. 2 quart coffee pot w/lid. Four plates, 2 detachable handles, 4 plastic cups. Entire set nests in largest pot.
U304 ..... wt. 4½ lbs. **$13.00**

TWO-MAN MOUNTAIN COOKSET. Strong and compact aluminum 3-piece set consisting of two pots with bail handles and a fry pan with folding wire handle.
U303 ..... wt. 21 oz. ..... **$ 4.75**

NESTING BILLY KETTLES. A set of 1, 2 and 3 quart aluminum nesting kettles. Matching lids with wire handles also serve as plates or fry pans. Nested size: 8" x 7" diameter.
U305 ..... wt. 40 oz. ..... **$ 9.50**

KEY TO SUPPLIERS

RM Richmoor DL Dri-Lite W Wilson
O Oregon Freeze-Dried

All weights are supplied by manufacturers.
All prices are subject to change without notice.

Discount policy:

10% on all orders over $250.00

PLASTIC FOOD BAGS WITH CLIPS. Reusable strong polyethylene bag with patented clip for airtight closure. Packaged in units of 11.

U972	2" x 4" x 12"	**$ 1.75**
U975	3" x 6" x 15"	**$ 2.10**
U978	6" x 4" x 18"	**$ 2.65**

POLYETHYLENE BAGS. Lightweight (.0015 gauge), durable, tear-resistant, odorless.

U962	4" x 2" x 12"	**20 bags $**	**.55**
U965	6" x 3" x 15"	**20 bags $**	**.75**
U968	6" x 4" x 18"	**20 bags $**	**1.10**

Item	Weight	Servings	Price
BREAKFAST DISHES			
Familia Birchermuesli	13 oz.	-	1.25
Eggs w/butter (O)	2.2 oz.	2	.95
Eggs w/imitation bacon bits (RM)	2.2 oz.	2	1.05
Astro freeze dried eggs (RM)	2¼ oz.	2	1.05
Eggs w/imitation bacon bits (RM)	4 oz.	4	1.00
Cheese omlette (O)	2.4 oz.	2	1.05
Mexican omlette (O)	2.9 oz.	2	1.20
Scrambled eggs (RM)	3.5 oz.	4	.85
Blueberry pancake mix (RM)	11¼ oz.	12	.55
Buttermilk pancake mix (RM)	11¼ oz.	12	.45
Maple syrup mix (RM)	6¼ oz.	4	.30
Blueberry syrup mix (RM)	6¼ oz.	4	.40
French toast (RM)	4½ oz.	-	.60
Oatmeal w/milk and sugar (DL)	8 oz.	4	.40
Biscuit mix (DL)	11 oz.	4	.50
Eggs & ham (RM)	6¾ oz.	4	3.00
DINNER DISHES WITH MEAT			
Vegetable beef stew (O)	3.4 oz.	2	1.20
Vegetable beef stew (RM)	8 oz.	4	2.80
Beef stew (O)	3¾ oz.	2	1.35
Chicken stew (O)	3.6 oz.	2	1.35
Chicken stew (RM)	9¼ oz.	4	2.50
Chicken chop suey (O)	3.4 oz.	2	1.35
Cream chicken w/noodles (DL)	11 oz.	4	2.00
Chunk chicken w/rice & carrots (O)	1.3 oz.	1	.55
Chunk chicken w/rice & carrots (O)	3.7 oz.	2	1.35
Chicken rice (RM)	10¾ oz.	4	1.85
Noodles & chicken (O)	4 oz.	2	1.10
Chicken a la king w/mashed pot. (RM)	12¼ oz.	4	2.10
Turkey supreme (RM)	12¾ oz.	4	2.10
Ham & potatoes (DL)	7½ oz.	4	2.00
Beef stroganoff (O)	3.6 oz.	2	1.20
Beef stroganoff (RM)	12¾ oz.	4	2.35
Chili macaroni w/beef (RM)	11½ oz.	4	1.90
Chili macaroni w/beef (O)	3.8 oz.	2	1.10
Spaghetti w/sauce & beef (RM)	7½ oz.	2	1.30
Spaghetti w/freeze dry meat balls (RM)	13¼ oz.	4	2.20
Shrimp cocktail (O)	1¾ oz.	2	1.95
Shrimp creole (O)	3.8 oz.	2	1.45
Shrimp creole (RM)	10½ oz.	4	2.25
Tuna a la neptune (O)	1.2 oz.	1	.55
Tuna a la neptune (O)	3.6 oz.	2	1.35
Tuna noodle (RM)	13 oz.	4	2.45
Mashed pot .& meatballs w/gravy (RM)	10¼ oz.	4	2.70
Chicken pilaf (O)	4¾ oz.	2	1.35
Chicken pilaf (RM)	13 oz.	4	2.35
DINNER DISHES WITH MEAT			
Beef w/rice (O)	4.8 oz.	2	1.20
Beef chop suey (O)	3.4 oz.	2	1.35
Franks & beans (O)	5.0 oz.	2	1.20
Beef & potatoes (O)	4.0 oz.	2	1.35
Lasagna w/meatballs (RM)	13½ oz.	4	2.70
Beef hash (DL)	9¾ oz.	4	2.00
Beef almondine (O)	1.2 oz.	1	.55
Beef almondine (O)	3.3 oz.	2	1.35
Turkey tetrazinni (O)	1.0 oz.	1	.55
Turkey tetrazinni (O)	3.2 oz.	2	1.35

MEATLESS DINNER DISHES			
Chili & beans (O)	5.5 oz.	2	1.20
Chili & beans (DL)	10 oz.	4	.85
Cheese romanoff (RM)	13¾ oz.	4	2.35
Macaroni & cheese (RM)	12¾ oz.	4	.95
Spaghetti w/Italian sauce (RM)	13 oz.	4	1.10
Spanish rice (RM)	9½ oz.	4	1.10
MEATS			
Beef jerkey	1 oz.	-	.75
Beef jerkey	4 oz.	-	1.98
Beef jerkey	8 oz.	-	4.00
Beef jerkey	16 oz.	-	7.95
Beef steaks (W)	2 oz.	2	2.30
Pork chops (W)	2 oz.	2	1.45
Hamburgers (W)	3¼ oz.	2	1.80
Diced ham (W)	1 oz.	2	.65
Beef patties (W)	2 oz.	2	1.23
Pork patties (W)	2 oz.	2	1.40
Meat balls (W)	1¾ oz.	-	1.10
Meat bars (W)	3 oz.	-	1.28
Bacon bars (W)	3 oz.	-	1.10
Diced chicken (RM)	1¼ oz.	-	1.15
Diced chicken (O)	2.4 oz.	2	2.25
Beef (O)	2 oz.	2	1.70
Ham (RM)	1¼ oz.	-	1.35

MOUNTAIN HOUSE PACKAGED MENUS

Item	net. wt.	servings	price
Breakfast No. 1	1 lb. 2.4 oz.	4	3.25
orange beverage			
eggs with butter			
hash browns			
cocoa			
cooking oil			
Breakfast No. 2	1 lb. 5.3 oz.	4	3.20
orange beverage			
cheese omelette			
corn break mix			
cocoa			
cooking oil			
Breakfast No. 3	1 lb. 3.4 oz.	4	3.45
applesauce			
eggs and baco bits			
hash browns			
cocoa			
cooking oil			
Breakfast No. 4	1 lb. 5.8 oz.	4	2.45
applesauce			
blueberry pancakes			
syrup			
cocoa			
cooking oil			
Breakfast No. 5	1 lb. 6.3 oz.	4	3.45
orange beverage			
mexican omelette			
corn bread mix			
cocoa			
cooking oil			
Lunch No. 1	15.35 oz.	4	3.90
chicken salad			
mt. house crackers			
lemonade			
cotlets (candy bar)			
Lunch No. 2	1 lb. 4.1 oz.	4	2.75
applesauce			
mt. house crackers			
peanut butter			
orange beverage			
cinnamon grahams			
Lunch No. 3	15.2 oz.	4	3.40
potato chowder			
mt. house crackers			
fruit punch			
sesame cookies			
Lunch No. 4	13.85 oz.	4	2.90
tuna salad			
mt. house crackers			
orange beverage			
cinnamon grahams			
Lunch No. 5	1 lb. 4.6 oz.	4	3.90
franks & beans			
mt. house crackers			
iced tea			
sesame cookies			
Lunch No. 6	1 lb. 1.9 oz.	4	3.45
chocolate shakes			
mt. house crackers			
peanut butter			
cinnamon grahams			

Item	net. wt.	servings	price
Dinner No. 1	1 lb. 8.1 oz.	4	4.00
onion soup			
beef stroganoff			
orange drink			
banana cream pie			
Dinner No. 2	1 lb. 5.85 oz.	4	4.25
beef noodle soup			
chicken & rice			
lemonade			
banana cream pudding			
Dinner No. 3	1 lb. 9.16 oz.	4	4.85
split pea soup			
vegetable beef stew			
iced tea			
chocolate pudding			
Dinner No. 4	1 lb. 3.85 oz.	4	3.40
beef noodle soup			
chicken & noodles			
fruit punch			
chocolate pudding			
Dinner No. 5	1 lb. 3.1 oz.	4	3.95
chicken noodle soup			
chili mac with beef			
lemonade			
butterscotch pudding			

Item	net. wt.	servings	price
BEVERAGES			
Wylers fruit-ade mixes			
Iced tea	3 oz.	1 qt.	2/.25
Strawberry	3 oz.	1 qt.	2/.25
Cherry	3 oz.	1 qt.	2/.25
Grape	3 oz.	1 qt.	2/.25
Orange	3 oz.	1 qt.	2/.25
Lemonade	3 oz.	1 qt.	2/.25
Pink Lemonade	3 oz.	1 qt.	2/.25
Lime	2 oz.	1 qt.	2/.25
Fruit Punch	3 oz.	1 qt.	2/.25
Root Beer	3 oz.	1 qt.	2/.25
Nestle instant cocoa	1 oz.	1 cup	.85/doz.
Freeze dry coffee (in can) (O)	2 oz.	40 cups	.90
Freeze dry coffee (foil packet) (O)	1.2 gm.	1 cup	.50
Tisa peppermint tea	2 oz.	1 cup	.40
Orange juice (RM)	5 oz.	4 cups	.75
Grapefruit juice (RM)	5 oz.	4 cups	.80
Pineapple juice (RM)	5 oz.	4 cups	.75
Tomato juice (RM)	2 oz.	4 cups	.45
Vanilla ice cream shake (O)	4.8 oz.	2 cups	.85
Chocolate ice cream shake (O)	4.8 oz.	2 cups	.85
Strawberry ice cream shake (O)	4.8 oz.	2 cups	.85
Whole milk (DL)	4 oz.	4 cups	.40

Item	net. wt.	servings	price
VEGETABLES			
Mashed potatoes (RM)	6¼ oz.	4	.40
Potatoes O'Brien (hash browns, w/ freeze-dried peppers & onions) (RM)	6 oz.	4	.60
Toasted onions (RM)	2¼ oz.	4	.45
Peas (O)	1.8 oz.	3-4	.75
Carrots (O)	1 oz.	3-4	.60
Peas & carrots (RM)	2½ oz.	4	.65
Corn (O)	2 oz.	3-4	.70
Green beans (O)	.5 oz.	3-4	.70
Chicken flavored rice (O)	4.5 oz.	3-4	1.00
Beef flavored rice (O)	3.6 oz.	3-4	.75
Red & green bell peppers (DL)	.5 oz.	-	.45
Tomato flakes (DL)	1 oz.	-	.45
SOUPS			
Maggi Swiss soups	2½ oz.	4 cups	.40
pea w/ham			
mushroom			
oxtail			
minestrone			
chicken noodle			
chicken flavored cream soup			
vegetable			
egg macaroni shell soup			
yellow pea w/bacon			
onion			
rice w/mushrooms			
eleven vegetables			
noodles & meatballs			
potato & leek			
Lipton soups	2 oz.	1 cup	.15 ea.
chicken noodle			
onion			
tomato			
green pea			

Item	net. wt.	servings	price
MISCELLANEOUS ITEMS			
Darigold butter	16 oz.	-	2.15
Sourdough starter	½ oz.	-	1.00
Gravy quick	1½ oz.	-	.21
Vegelene (cooking oil)	4 oz.	-	.85

Item	net. wt.	servings	price
HIGH ENERGY LUNCH & SNACK FOODS			
Hershey tropical chocolate	1 oz.		2/.17
H&M Kwik-lunch	4 oz.		1.00
H&M pemmican fruit bar	1 oz.		.25
H&M trail cookies	5 oz.		.55
H&M chocolate malt tabs	4 oz.		.60
H&M cherry sucrose drops	5 oz.		.50
H&M lemon drops	5 oz.		.50
Ricola herb candy	3 oz.		.50
Tex-schmeltz traubenzucker (lemon or chocolate candy)	2 oz.		.30
Semi-sweet chocolate	8 oz.		.75
Kendall mint bars—white	8 oz.		.65
Kendall mint bars—brown	8 oz.		.65
Nuts & fruit (RM)	4¾ oz.	4	.80
"Lurp" No. 1—cashews, candy, peanuts, raisins (O)	5 oz.	-	.75
"Lurp" No. 2—almonds, peanuts, raisins (O)	8 oz.	4	.60
Trail cookies (RM)	8 oz.	4	.60
Pilot biscuits (RM)	10 oz.	4	.65
FRUITS, SALADS, AND DESSERTS			
Sierra salad (DL)	4 oz.	4	.50
Fruit salad (DL)	6 oz.	4	.65
Egg salad (RM)	3¾ oz.	4	1.45
Ham salad (RM)	3 oz.	4	1.65
Tuna salad (O)	2¾ oz.	4	1.30
Chicken salad (O)	2¾ oz.	4	1.65
Cheddar cheese (RM)	3¾ oz.	4	.80
Swiss cheese w/imitation bacon (RM)	4¼ oz.	4	.65
Peanut butter (RM)	3¾ oz.	4	.50
Blackberry jelly (RM)	2½ oz.	4	.25
Grape jelly (RM)	2½ oz.	4	.25
Apple butter (RM)	4¾ oz.	4	.50
Butterscotch pudding (O)	5 oz.	4	.50
Chocolate pudding (O)	5 oz.	4	.50
Banana creme pudding (O)	5 oz.	4	.50
Lemon pudding (RM)	5¾ oz.	4	.40
Vanilla pudding (RM)	4¾ oz.	4	.40
Chocolate creme pie (RM)	11½ oz.	4	.80
Lemon pie (RM)	10¼ oz.	4	.55
Chocolate pie mix (O)	10½ oz.	4	.85
Banana creme pie mix (O)	10½ oz.	4	.85
Cherry pie (RM)	11¼ oz.	4	.85
Pineapple waikiki (RM)	5 oz.	4	.80
Spicy apple chips (RM)	3¾ oz.	4	.80
Banana chips (RM)	4 oz.	4	.55
Appleberry sauce (RM)	4½ oz.	4	.70
Applesauce (RM)	2¾ oz.	2	.40
Applesauce (RM)	4½ oz.	4	.60
Fruit cocktail (RM)	5¾ oz.	4	.80
Apples (O)	1 oz.	2	.75
Strawberries (O)	1 oz.	2	.95
Plums (O)	2 oz.	2	.80
Peaches (O)	1 oz.	2	.75
Pears (O)	1 oz.	2	.75
Raspberry cobbler (RM)	11¼ oz.	4	.85
Blueberry cobbler (RM)	11¼ oz.	4	.85
Fudge brownie mix (RM)	12½ oz.	4	.85
French apple compote (RM)	5¼ oz.	4	.60
Peach compote (RM)	5¾ oz.	4	.70
Wild cherry gel dessert (RM)	5 oz.	4	.35

NATURAL FOODS.
All food listed in this section is naturally grown with no chemical preservatives or chemical flavor enhancers.

RUNNING BEARS' PEMMICAN. High protein, high energy food make by Beaux-eaux. Provides a well-balanced, compact source of energy when hiking, climbing, skiing or just eating. Protein is balanced with eight amino acids. Made from honey, almonds, apricot kernels, non-fat dry milk, soy flour, grape juice, wheat germ, cashews, raisins, walnuts, wheat bran, safflower oil. (Protein—16%, carbohydrates—48%, fats—36%). Keeps up to three months with refrigeration.
Single meal size .... wt. 5-1/3 oz. ..... **$ .75**
Large size ..... wt. 2.2 lbs. ..... **$ 5.95**

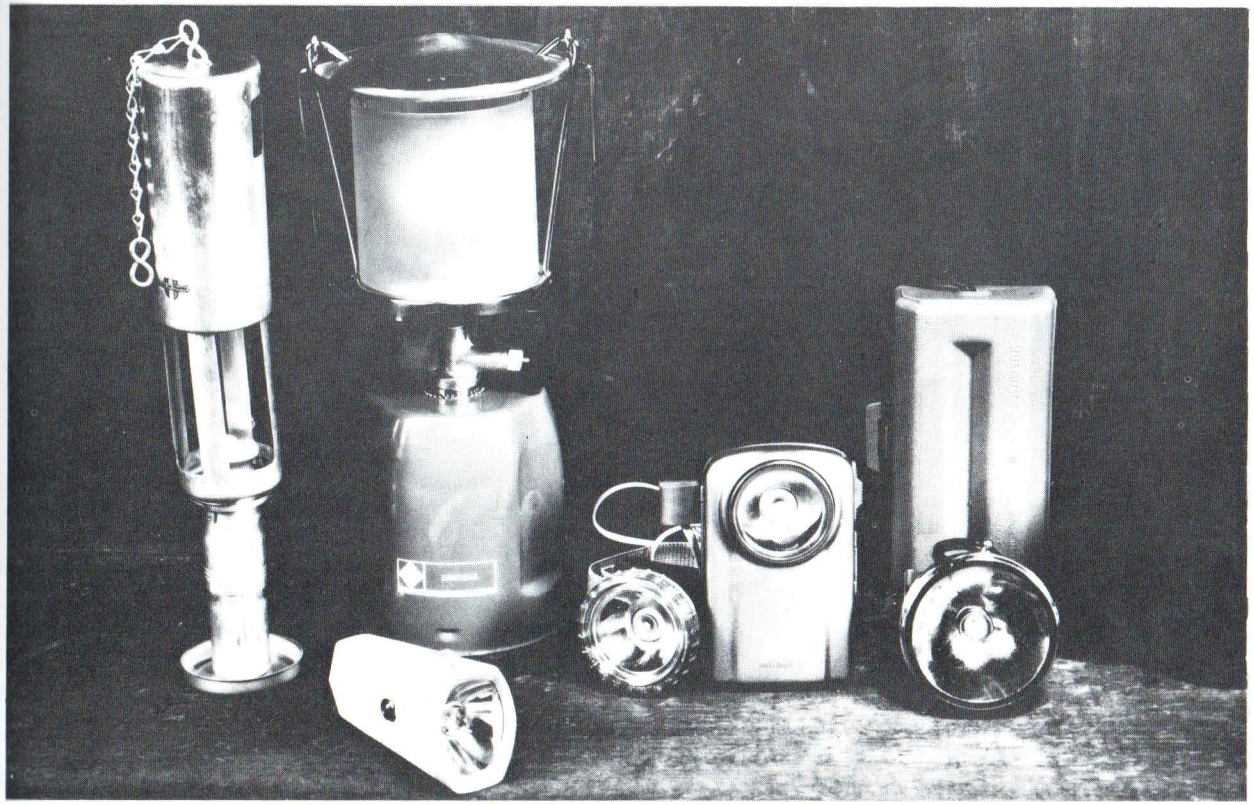
NUTS TO YOU. Contains: sunflower seeds, raisins, soybeans, cashews, squash seeds, filberts, currants, almonds, pecans and peanuts. Wt. 5 oz. ..... **$ .55**

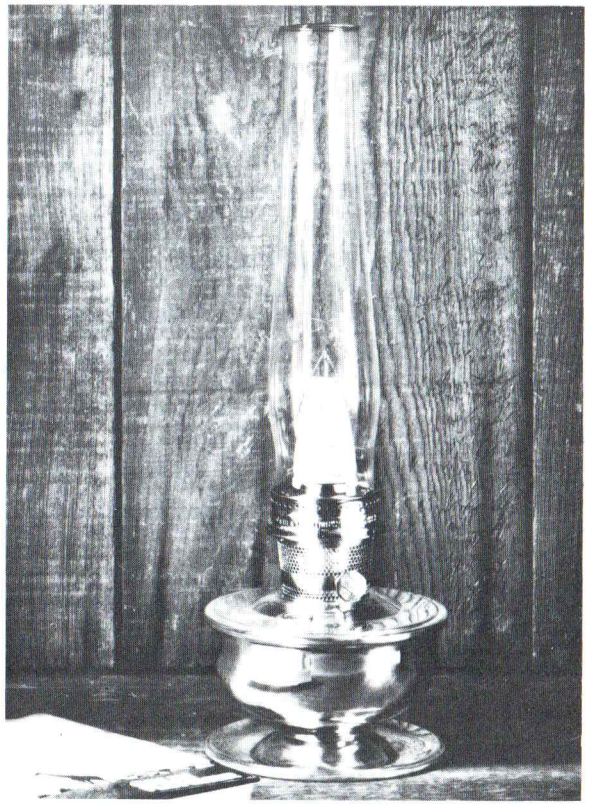
MUESLI FRUIT BISCUITS. German muesli in a biscuit form. Contains: rolled oats, whole wheat with wheat germ, vegetable oil, raw sugar, whey, almonds, hazelnuts, raisins, currants, apricots, oranges, apples, leavening, fruit acid and sea salt. Wt. 6-1/3 oz. ..... **$ .75**

HONEY DIPPED FRUITS. Organically grown and tree ripened. Naturally dried and dipped in pure honey.
Apples ..... wt. 4 oz. ..... **$ .45**
Apricots ..... wt. 12 oz. ..... **$ 1.60**
Mission Figs ..... wt. 12 oz. ..... **$ 1.00**
Peaches ..... wt. 18 oz. ..... **$ .90**
Pears ..... wt. 12 oz. ..... **$ 1.30**

RAW ENERGY NUGGETS. A candy-like food with honey, sunflower seed, sesame seed, carob powder, coconut, cashews, peanut butter, pumpkin seed. 1 lb. pkg. ... **$ 1.65**

ECO-PAK LOW-MOISTURE NATURALLY PROCESSED VEGETABLES. Nothing added—only water removed. 3 oz. size equals 1 lb. of fresh vegetables.
Oregon garden peas ..... wt. 3 oz. ..... **$ .68**
Green beans ..... wt. 1½ oz. ..... **$ .68**
Old world vegetable mix ... wt. 3 oz. ..... **$ .58**





FRENCH CANDLE LANTERN. Cylindrical aluminum lantern, 2" x 4½" when collapsed. Opens to 11½" long. Shielded glass chimney; spring mechanism keeps candle at uniform burning height. Safe and efficient.
E209 ..... wt. 3¾ oz. ..... **$ 5.50**

STEARENE CANDLES. For use with candle lanterns. Burning time over 3 hours.
E211 ..... wt. 2 oz. ..... **each $ .07**
1 dozen $ .80

MALLORY FLASHLIGHT. Compact flashlight that throws 250-foot beam. Molded plastic case. Comes with 2 AA Manganese batteries. Case is 4" long.
E105 ..... wt. w/batt. 3½ oz. ..... **$ 1.75**
E105/B Bulb for Mallory Flashlight ..... **$ .20**

BLEUET LANTERN. Uses same butane cartridge as Bleuet stove. Economical and simple: just turn valve and light. Burns 4½-5 hours at full-on position. Frosted glass globe for bright glare-free light. Height 12".
E216 ..... wt. w/1 cart. 37 oz. **$11.00**

BUTANE CARTRIDGES.*
U711 ..... wt. 10 oz. ..... **each $ .80**
U712 ..... wt. 3¾ oz. ..... **Box of six $ 4.50**
* Butane cartridges cannot be shipped Air Mail.

BLEUET MANTLES.
E217 ..... **$ 1.35**

FROSTED GLASS CHIMNEY. For Bleuet lanterns.
E218 ..... wt. 3 oz. ..... **$ 1.35**

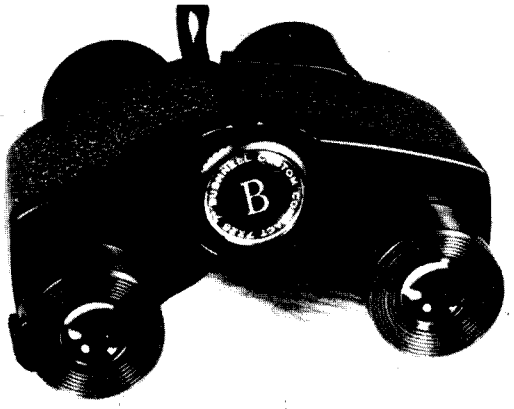
FRENCH WONDER HEADLAMP. Complete hand lamp in a compact metal case (2-5/8" x 4-1/8" x 1-1/8"). Separate bulb and reflector unit with head strap and bracket simply plugs into side of case for head lamp conversion.
E102 (without Batteries) ... wt. 6 oz. ..... **$ 5.00**
E102/A (Battery for above) . wt. 4 oz. ..... **$ .85**
E102/B (Bulb for above) ..... **$ .35**

JUSTRITE HEAD LAMP. Lightweight, non-corrosive, plastic case (5½" x 3" x 1½") fits in pocket or clips to belt. Lamp and switch in padded metal head piece which leaves both hands free. 1500 foot beam. Uses 4 size "D" batteries.
E101 ..... wt. 8 oz. ..... **$ 8.00**

ALKALINE BATTERIES. Five to ten times the life of an ordinary battery.
E121 ..... "AA" size .... wt. 1 oz. ..... **$ .75**
E124 ..... "D" size .... wt. 4 oz. ..... **$ 1.00**

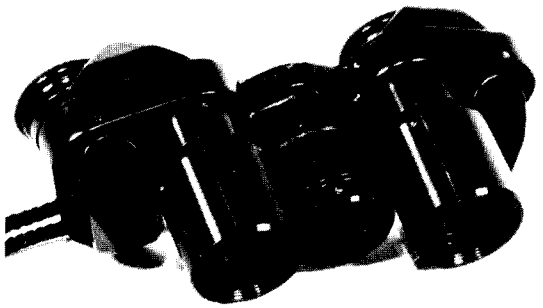
ALADDIN KEROSENE LAMP. Exclusive mantle burner makes Aladdin the most efficient kerosene burning lamp ever designed. (In 1915 the company offered $1,000 to anybody who could produce a better oil-burning lamp and the offer still stands.) Burning a blend of 94% air and only 6% kerosene, this lamp emits a steady white light adjustable in intensity from candle glow to the equivalent of 100 watts of electric lighting. Fuel consumption rate is 50 hours per gallon of kerosene. The Aladdin is smokeless, odorless, and silent. Polished aluminum with an unusually graceful chimney. Shipping weight complete 3¼ lbs.
E300 .... complete lamp ....wt. 3¼ lb. **$22.50**

E301 ..... chimney .... wt. 7 oz. ..... **$ 2.60**
E302 ..... mantle .... wt. ¼ oz. ..... **$ 1.25**
E303 ..... wick .... wt. 1 oz. ..... **$ 1.15**
E304 ..... wick cleaner .... wt. ½ oz. ..... **$ .85**



BUSHNELL CUSTOM COMPACT BINOCULARS. Selected by NASA scientists for use in Gemini space flights, this is the finest compact binocular we have ever seen. Three inches high and weighing only 11 ounces, the Custom Compact easily fits into jacket or shirt pocket. Featuring superb optics, rugged construction and extendable eye cups that give a full field of vision with or without glasses. Clarity and brilliance are unsurpassed. Comes in soft zippered carrying case of top-grade black cowhide. Twenty-year factory warranty on parts and service. Center focus.
6 x 25—6 times magnification. Field of view at 1,000 yards: 420'.
J405 ..... wt. 11 oz. **$87.75**
7 x 26—7 times magnification. Field of view at 1,000 yards: 368'.
J406 ..... wt. 11 oz. **$92.50**

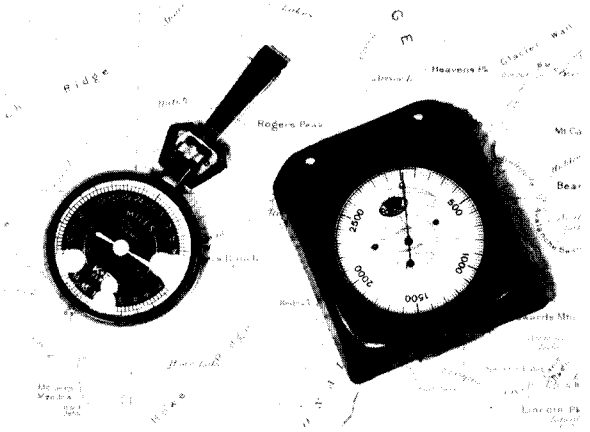
SWIFT 7 x 18 BINOCULARS. Coated precision optics, die cast aluminum body, bakelite eye pieces. Non-reflecting black finish. Center focus. Field of view is 367' at 1,000 yds. Size: 2½' x 4' x 2'. Comes with black leather carrying case.
J420 ..... wt. 7 oz. **$38.50**

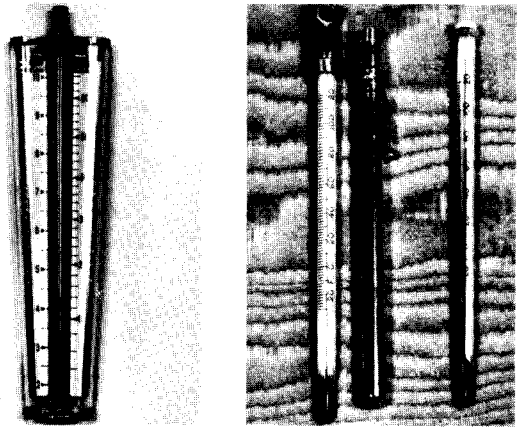


BUSHNELL MONOCULAR. A small (3½") prismatic scope made to Bushnell standards of precision and quality. Fully coated lens and prisms project crisp, brilliant, distortion-free views. 8 power 24 mm, wide-view lens give a 437' viewing circle at 1,000 yards (equal to widest angle binoculars). Lens may be used alone as a magnifying glass. Soft, zippered carrying case, wrist strap, and protective lens cap are included. Five-year factory warranty.
J401 ..... wt. 4 oz. **$23.00**

K & R PEDOMETER. Registers up to 25 miles. Has clip for fastening directly to belt. Polished nickel chrome finish.
J202 ..... wt. 3 oz. ..... **$ 8.00**

THOMMENS HIGH ALTITUDE ALTIMETER. Reads up to 21,000 feet with accuracy of about 30 feet within the entire range. Compensated for temperature changes. Instrument has a barometric scale with a range of 22.5" to 31" of mercury. Comes in leather case. Size 2-7/8" x 2½" x 7/8".
J203 ..... wt. 3 oz. **$76.00**



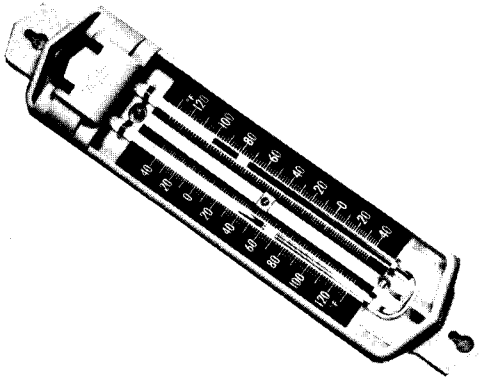


WIND METER. Accuracy of ½ mile/hr. on low scale and 3 miles/hr. on high scale. Dual range scale reads from 0 to 60 miles/hr. Precision die molded of acrylic plastic. Size: 8" to 3" x ½".
J204 ..... wt. 2½ oz. ..... **$ 6.50**

THERMOMETER. Ideal for mountaineers and campers. Range of −30° F. to 130° F. Comes in a metal case 6¼" long, 3/8" diameter (about pencil size) with pocket clip and carrying ring.
J205 ..... wt. 1½ oz. ..... **$ 3.00**

GLASS STEM REPLACEMENT TUBE for above thermometer.
J205/R ..... **$ 2.25**

MAX-MIN THERMOMETER. This instrument will record the lowest temperature and the highest temperature from the time of its last setting. Range −30° F. to 130° F. Easy to reset. Size: 2-3/8" x 10½" x 1¼".
J206 ..... wt. 6 oz. **$13.00**



BELLWETHER BIKE PACKS.

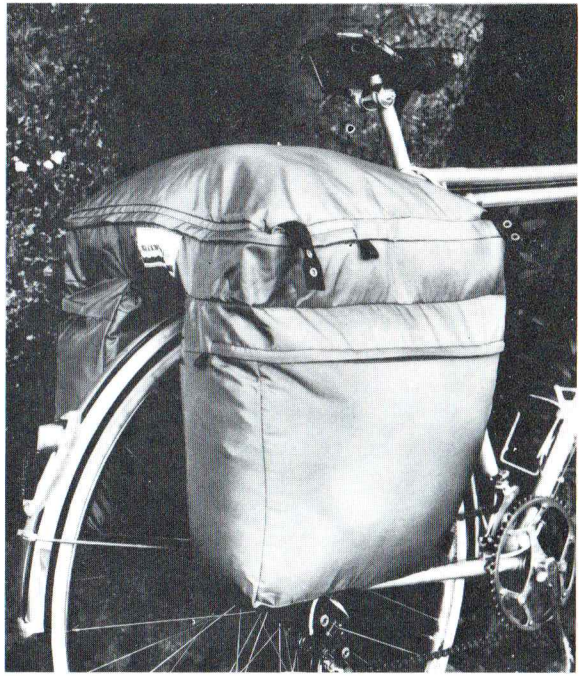
SADDLE PACK. Fastens behind bike seat for handy storage of small items. Made of waterproof urethane-coated nylon duck. 9" x 5" nylon zipper closure. Pack fastens to bike seat with ½" nylon straps. Color: red or blue.
R902 ..... wt. 3 oz. ..... **$ 5.00**

SMALL TOURING PACK. Pannier style fastens to standard rear carrying bracket with 1" nylon straps. Waterproof urethane-coated nylon duck and cordura cloth. Large sacks measure 9" x 12" x 4" and close with a nylon coil zipper. Smaller side pockets measure 6" x 8" x 2" and close with velcro. Color: red or blue.
R904 ..... wt. 26 oz. **$20.00**

GRAND TOURING PACK. Large panniers with forward taper for most efficient use of space. 1" nylon web straps fasten to standard rear carrying bracket. Side bags measure 15" x 12". Depth is 4". Covered nylon coil zippers. Fiberboard side stiffeners. Top compartment measures 15" x 15" x 3½" with nylon coil zipper on opening. Pack is provided with grommeted tabs for convenient equipment tie-downs. Waterproof urethane-coated nylon duck and cordura cloth. Color: red or blue.
R905 ..... wt. 29 oz. **$30.00**

HANDLEBAR PACK. Convenient and readily accessible storage for lunch, camera, sweater, etc. Main sack is 9" x 10" x 4" with nylon coil zipper on flap. Smaller accessory pocket on front of pack closes with velcro and measures 6" x 7½" x 10". Full size fiberboard stiffener at back. 1" nylon web straps fasten pack securely to handlebars and fork. Comes with snap on front brace and accessory shoulder strap for use on bike. Waterproof urethane-coated nylon duck throughout. Color: red or blue.
R906 ..... wt. 18 oz. **$13.50**

SOFT HANDLEBAR PACK. Small front pack without stiffeners. Doubles as a shoulder bag. Cylindrical shape 7" x 12". Easily attached and removed. Comes with front brace to keep pack off wheel and brake wire. Waterproof urethane-coated nylon duck. Color: red or blue.
R907 ..... wt. 9 oz. ..... **$ 9.00**



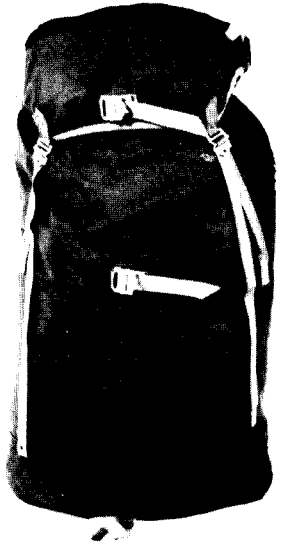
TRAILWISE SKIER'S BELT BAG. Made of urethane-coated nylon duck, with adjustable belt of nylon web. Contoured to fit the body. Nylon zipper. A handy bag for camera, lunch, wax, goggles, etc. Size 12½" x 4½". Colors: blue, brown, orange.
R118 ..... wt. 6 oz. ..... **$ 6.00**

TRAILWISE NYLON BELT POUCH. A convenient and easily accessible pouch for snacks, glasses, first aid material, etc. Made of waterproof nylon duck. Nylon zipper and belt loops. Size 4½" x 7½" x 2". Colors: blue, brown, orange.
R113 ..... wt. 2 oz. ..... **$ 4.00**

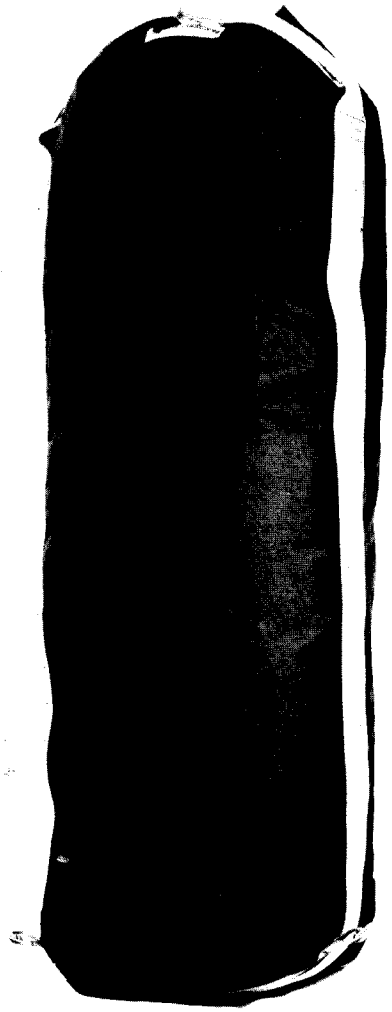
TRAILWISE KNAPSACK. Popular low priced knapsack with padded shoulder straps. Two outside zipper pockets. Main flap is held closed by a bag snap. Measures 6" x 14" x 16". Adjustable waist and shoulder straps. Comes in cotton or nylon. Colors: cotton—red, sage, green/nylon—red, blue, sage.
R600 .... (cotton) wt. 18 oz. .. **$ 7.00**
R601 .... (nylon) wt. 18 oz. .. **$ 9.50**

JUNIOR KNAPSACK. An inexpensive children's pack. This small knapsack (11" x 12") has a patch pocket located on the outside under flap. Adjustable waist and shoulder straps. Water-repellent canvas. Colors: red, sage, green.
R602 ..... wt. 9 oz. ..... **$ 3.75**

TRAILWISE SUMMIT PACK. A teardrop-shaped pack made from tough nylon Cordora Cloth. Urethane-coated for water repellency. Double layer on bottom. 20" zipper at top of pack. Ice axe loop. Nylon shoulder straps with integral covered ensolite pads. Waist strap. Height: 19½", bottom: 6½" x 16". Colors: blue, orange or green.
R108 ..... wt. 20 oz. **$18.00**

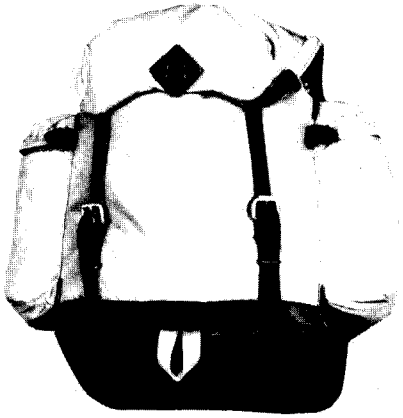


AIGUILLE EXTENDABLE. Streamlined cotton canvas sac by Karrimor. 7" x 13" x 22" with 12" extension. Flap is elasticized for better closure. Zippered inner pocket under flap. Unique double fold crampon patch is fixed to top of flap. Nylon ice axes and hauling loops. Foam filled nylon shoulder straps. "D" rings for attaching waist strap. Color: blue.
R402 .... wt. 2 lb. 5 oz. **$19.25**

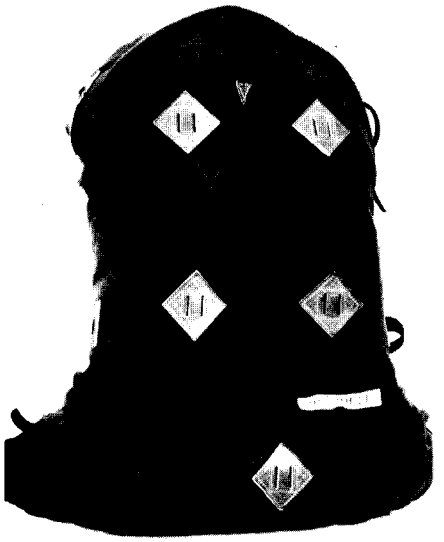


KARRIMOR HAUL SACK. Heavy nylon sac with 1¾" nylon web straps which extend completely under sac and are riveted into the seam. Upper sections of straps are folded over and stitched to form handles. Shoulder harness with padded nylon straps for carrying to base of climb. (Stows away in special velcro closed pocket when not in use). Sac measures 10" x 10" x 40". Drawstring closure. Color: blue with gold hauling straps.
R404 .... wt. 2 lbs. 4 oz. **$35.00**

ALP SPORT ROCK CLIMBER SPECIAL. A tear drop shaped pack, 18" high and divided into upper and lower compartments. 7" x 14" leather bottom. Capacity 20-25 lbs. Ice axe carrier, two accessory strap patches on bottom, nylon hauling loop and waist strap. Urethane-coated waterproof nylon. Colors: orange and turf.
R202 ..... wt. 25 oz. **$21.50**



ALP SPORT EIGER STANDARD. An ideal rucksack for weekend trips and extended rock climbs. Removable aluminum stays can be bent to conform to the wearer's back. 7" x 14" leather bottom, height 19". Capacity 30 to 35 lbs. Two side pockets and large pocket in flap covered with nylon zippers. Ice axe carrier, two accessory strap holders, nylon hauling handle, waistband. Material is urethane-coated nylon duck. Colors: orange or turf.
R203 ..... wt. 37 oz. **$30.00**



JENSEN PACK. Wrap-around, compartmentalized, frameless rucksac by Rivendell. High, narrow profile allows good weight distribution while frameless design gives flexible, secure fit necessary for climbing, ski touring, etc., where a bulky, swaying pack can be a real hindrance. Because of wrap-around design, much of pack's weight is transferred to the wearer's hips. Pack is divided into two zippered compartments. The upper compartment is formed of two vertical columns which carry the bulk of the weight and transfer it to the lower compartment, a horizontal tube which partially wraps around the wearer's hips. Fabric is waterproof coated nylon cordura cloth. Unwaled corduroy is added for comfort where pack touches wearer's back. Zippers are heavy, abrasion resistant nylon coils. Pack is generously supplied with leather accessory strap patches for carrying skis, crampons, ice axe, rope, ensolite, etc. Padded shoulder straps. Haul loop and waistbelt. Color: green. Sizes: S, M, L, XL.
R301 ..... wt. 42 oz. **$45.00**

DON WHILLANS' ALPINISTE. Wedge shape allows weight to ride high for ease in carrying and large flap gives maximum protection from weather. Flap can be unsnapped and top drawn in to a small size, making an excellent hauling sack. Cotton duck with leather bottom. Leather shoulder straps with felt padding. Leather waist strap. Detachable flap has inner pocket and crampon tie-down. Special features include ice axe loops, a unique hammer loop at side of pack, and "D" rings on shoulder straps for attaching hammer sling, etc. Size: 21" deep, base is 5" x 12", top circle 40". Color: red with black leather bottom.
R403 ..... wt. 51 oz. **$26.75**

PINNACLE. Simple nylon climbing rucsac by Karrimor. All nylon construction with ice axe loop and padded shoulder straps. Double bottom. 6" x 13" x 20". Color: red.
R401 ..... wt. 15 oz. **$14.25**

KELTY PACKS feature a lightweight frame of welded aluminum. Padded shoulder straps. Two 5" wide back bands maintain clearance. Upper band is nylon mesh, lower band has padded section. 2" nylon waist strap with quick-release buckle. Bag fastens to frame with clevis pins and attaching wires. Small frame fits persons under 5' 3"; medium fits 5' 3" to 5' 7"; large fits 5' 7" to 6' and x-large fits 6' and over. Kelty packbags are made of Zelan-treated nylon for water repellency and come in four sizes corresponding to frame size: small—16" x 14" x 8"; Medium—18" x 14" x 8"; large—20" x 15" x 9"; and x-large—22" x 15" x 9".

Model A-4. A ¾ length bag divided into upper and lower sections. Upper section is again divided into three vertical compartments. Four outer pockets. Metal zippers. Sizes: S, M, L, XL. Color: green.
R503
(bag and frame) ave. wt. 57 oz. . **$53.00**

Model B-4. Same dimensions as Model A-4, but without partitions for those who prefer an open-style packbag. S, M, L, XL. Color: green.
R503
(bag and frame) ave. wt. 55 oz. . **$48.00**

KELTY STUFFBAGS are used for carrying sleeping bag below pack.

R510	9" x 17"	wt. 3½ oz.	**$ 4.00**
R511	10" x 18"	wt. 4 oz.	**$ 4.00**
R512	11" x 19"	wt. 4½ oz.	**$ 4.00**

KELTY ACCESSORY STRAPS. 5/8" wide nylon with buckle.

R5153	36"	wt. 1½ oz.	**pr. $ .85**
R5154	42"	wt. 2 oz.	**pr. $ .90**

KELTY PACK RAIN COVER. A waterproof nylon cover that fits over pack to provide rain protection. Specify frame and bag size.
R153 ..... wt. 4 oz. ..... **$ 5.00**

KELTY FRAME EXTENSION. Adds 6" to frame height. Specify frame size.
R514 ..... wt. 6 oz. ..... **$ 3.85**

TRAILWISE PACKFRAMES AND BAGS

Trailwise packframes are designed and constructed with comfort, durability and lightness as the foremost considerations.

A packframe that is comfortable to wear is the result of (1) a well contoured and shaped frame and packbag that place the load as close to the body as is practical, (2) a padded suspension system that allows the majority of the load weight to be placed directly on the hips, and (3) a full mesh back panel, originated by Trailwise, which distributes weight and allows maximum air circulation between pack and wearer.

The Trailwise contour frame shapes the load around the back and extends the effective carrying area of the back, both in width and in height.

The Trailwise frame is constructed of a non-corrosive, aluminum alloy thick-wall tubing. All parts of the frame contribute to its structural strength because there are no loose or unwelded parts. Every joint is heli-arc welded. The Trailwise packbag is attached to the frame with aluminum and steel eyebolts and aluminum Rivnuts. This combination of eyebolt and Rivnut attachment has a strength advantage over the usual clevis pin and wire attachment in that the frame need only be drilled from one side, plus the Rivnut helps to reinforce this hole. The eyebolts can be used as lashing points.

The three-quarter length packbags can be mounted in either a high or a low position on the frame depending on where the center of gravity of the load is desired. The high position is used for maximum loads on a relatively smooth trail, and the low position is used for climbing or for rough terrain where balance becomes an important consideration. Both the full length packbag and the three-quarter length packbags extend the full width of the frame.

PACKFRAME ADJUSTING INSTRUCTIONS

The following steps should be taken when adjusting the suspension system of the Trailwise packframe.Step 1: The padded hip belt should encircle the hips below the waist and on the flare of the hips and buttocks. Belt placement can be assisted by leaning forward slightly and hunching up the packframe with the back and shoulders until the belt is in the proper position. Cinch up the belt.

Step 2: Release the slide fasteners on the yoke back straps. Move the yoke assembly forward or backward to that point where the tabs connected to the yoke are slightly forward of the center of the shoulders. Reset the slide fasteners. This adjustment need only be made on the initial fitting of the packframe.

Step 3: Pull down on the clevis straps until pressure from the yoke is felt on the top of the shoulders.

Step 4: Pull forward on the yoke tabs to bring the mesh back panel up snug against the back.

Step 5: Release the clevis straps slightly. This should allow the packframe to settle down on the hips.

TRAILWISE PACK FRAME ACCESSORIES

TRAILWISE HEAVY DUTY STUFF BAG. Made of waterproof urethane-coated nylon duck, as used in Trailwise packs. Size 8" x 17". Colors: blue or brown.
R121 ..... wt. 5 oz. ..... **$ 3.60**

TRAILWISE PADDED HIP BELT. Deluxe full circle belt is nylon web, padded with Ensolite, and covered with nylon duck. The most effective and comfortable hip belt made. Specify frame size.
R109/m for small and medium frames wt. 4½ oz. . **$ 5.00**
R109/l for large frames ..... wt. 5 oz. . **$ 5.00**

TRAILWISE SHOULDER YOKE. Crossover straps to fit Trailwise contour frame. All nylon with Ensolite padding. Three-way adjustment for perfect fit. Aluminum tabler buckles allow effortless adjustment of straps, even when wearing pack.
R102 ..... wt. 8 oz. ..... **$ 8.00**

NYLON MESH BACK. Strong gauge nylon mesh. Grommets installed along edges and corners for lacing to frame. Lace included.
R104/s ..... 11" x 15" ... wt. 3½ oz. ..... **$ 6.00**
R104/m ..... 11" x 17" ... wt. 3¾ oz. ..... **$ 6.00**
R104/l ... 12½" x 19¾" ... wt. 4½ oz. ..... **$ 6.00**

SUPPORT TUBE. U-shaped aluminum tube used to keep tops of Trailwise pack bags open. Specify pack bag size.
R105 ..... wt. 2 oz. ..... **$ 1.75**

CLEVIS PINS. 1¼" long. Includes keeper ring.
R110 ..... **ea. $ .35**

ALUMINUM EYE BOLTS. For attaching pack bags to Trailwise frames.
R111 ..... **ea. $ .10**

ELASTIC SHOCK CORD LOOP. For attaching stuffsack to frame.
R112 ..... 1½ oz. ..... **$ .50**

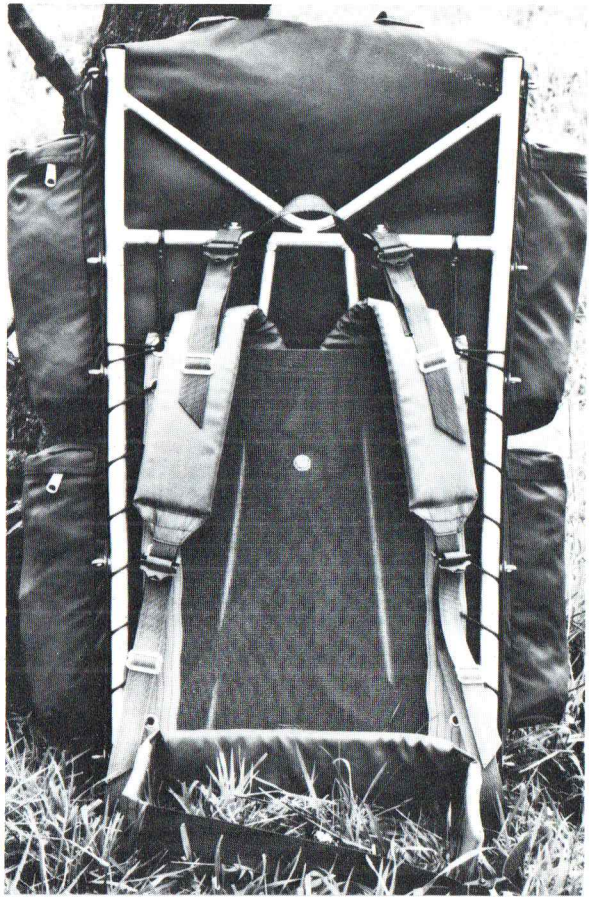
PLASTIC CAPS. Fit frame ends.
R106 ..... wt. ½ oz. ..... **$ .05**

TABLER BUCKLES. Aluminum 1" buckles.
R902 ..... wt. ½ oz. ..... **$ .15**

ACCESSORY STRAPS.
R114 ..... wt. 2 oz. ..... **pr. $ .80**

PACK HANDLE STRAPS.
R103 ..... wt. ½ oz. ..... **$ .25**

LEATHER ACCESSORY STRAP PATCHES.
R115 ..... wt. ¼ oz. ..... **$ .50**



TRAILWISE CONTOUR FRAME. Rugged (6061-T6) aluminum alloy; contour plus taper. Features adjustable. Ensolite-padded cross straps which give excellent weight distribution, reducing the localized pressure on shoulders inherent in all ordinary shoulder strap suspensions. Full nylon mesh back further distributes weight and allows maximum air circulation between pack and wearer. Full circle padded hip belt comfortably transfers most of weight to hips when desired. Nylon hauling strap securely fastened to frame. Riv-nuts for mounting Trailwise pack bags included.
R101/s (small) ..... wt. 35 oz. **$30.00**
R101/m (medium) ..... wt. 37 oz. **$30.00**
R101/l (large) ..... wt. 40 oz. **$30.00**

TRAILWISE PACK BAG MODEL 72. Single spacious sack, roomy enough to hold all your gear for an extended outing. Side mounted. Made of waterproof heavy-duty urethane-coated nylon duck. Five outer pockets with covered nylon zippers. Aluminum hold open bar holds top of bag open for easy access. Large size measures 17" x 29" x 11". Medium and small sizes approximately 1" smaller. Volume for large size is 5423 cu. in. Colors: blue, brown, or orange.

R172/s (small frame only) ..... **wt. 28 oz.** ... **$29.00**
R172/m (medium frame only) .... **wt. 27 oz.** ... **$29.00**
R172/l (large frame only) .....**wt. 29 oz.** ... **$29.00**

TRAILWISE PACK BAG 72 MOUNTED ON TRAILWISE CONTOUR FRAME.

R172/X (Specify size) ..... wt. 64 oz. **$59.00**

TRAILWISE PACK BAG MODEL 73. Three-quarter length undivided sack. Center of gravity may be raised or lowered by changing position of sack on frame. 4 nylon accessory straps. Long side pockets measure 2¾" x 6" x 18" with vertical nylon zipper. Back pocket is 2" x 8" x 15". Large bag measures 8" x 17" x 21½" with a capacity of 2924 cu. in. (including pockets). Made of heavy-duty urethane-coated nylon duck. Colors: blue, brown or orange.

R173/s (Small frame only) ... wt. 25 oz. **$27.00**
R173/m (Medium frame only) wt. 26 oz. **$27.00**
R173/l (Large frame only) ... wt. 29 oz. **$27.00**

TRAILWISE PACK BAG 73 MOUNTED ON TRAILWISE CONTOUR FRAME.

R173/X (Specify size) ... ave. wt. 64 oz. **$57.00**

TRAILWISE HEAVY-DUTY STUFF BAG. 8" x 17" waterproof urethane-coated nylon duck matches Trailwise pack bag 73. Heavy duty material provides best protection for sleeping bag when mounted below pack bag. Specify color.

R121 ..... wt. 5 oz. ... **$ 3.60**

TRAILWISE PACK BAG MODEL 74. Three-quarter length sack divided into upper and lower compartments. 7" lower compartment is accessible through 17" wide zippered opening. Center of gravity may be raised or lowered by changing position of sack on frame. Two outer pockets with covered nylon zippers measure 2¾" x 6" x 11½". Large size bag measures 8" x 17" x 21½" with a capacity of 2924 cu. in. Made of heavy-duty urethane-coated nylon duck. Colors: blue, brown, or orange.

R174/s (small frame only) ..... wt. 23 oz. ... **$27.00**
R174/m (medium frame only) .... wt. 24 oz. ... **$27.00**
R174/l (large frame only) ..... wt. 26 oz. ... **$27.00**

TRAILWISE PACK BAG 74 MOUNTED ON TRAILWISE CONTOUR FRAME.

R174/X (Specify size) ..... ave. wt. 62 oz. ... **$57.00**

TRAILWISE HEAVY-DUTY STUFF BAG. 8" x 17" waterproof urethane-coated nylon duck matches Trailwise pack bag 74. Heavy duty material provides best protection for sleeping bag when mounted below pack bag. Specify color.

R121 ..... wt. 5 oz. ..... **$ 3.60**

FITZROY TENT. Introduced last July as a self-supporting tent, the Fitzroy design is setting new standards in mountain tents. The self-supporting feature, in addition to ease of erection, means fewer pegs to add weight, sites no longer have to be large enough to accomodate guylines, and perhaps most important, no more tripping over those guylines. To set up the Fitzroy, simply peg down the four corners to anchor the tent and the pole placement balances stress so that the tent is stable under most conditions. (The Fitzroy is provided with a pullout on each side plus end guys for those rare situations involving extreme conditions when maximum stability is needed.) Floor dimensions are 60" x 102". Ridge is 66" long. Height is 51" at peak ends, dipping to 48¾" at center. Sectional poles extend to 61½". Urethane coated waterproof floor of 2-ply nylon extends 16" up sides. Canopy is 1.9 oz. Ripstop Nylon. Zippered triangular opening on front panel is 32" wide at base, 41½" high and is backed with a zippered nylon mosqu to screen. Tunnel entrance and vent on rear panel are also provided with mosquito screens. Net pockets at each end keep small items organized and within reach. Color: green or orange.

Fitzroy Tent complete with fly, poles, pegs.
T110C ..... wt. 8 lbs. 12 oz. **$150.00**
Fitzroy Tent without fly sheet.
T110 ..... wt. 6 lbs. 12 oz. **$115.00**
Flysheet for Fitzroy Tent.
T110F ..... wt. 2 lbs. **$35.00**

TRAILWISE FABRIC TUBE TENT. A durable, more sophisticated version of the popular plastic tube tent. Urethane-coated fabric throughout with heavier material used for floor. Peg loops and pullouts are bartacked loops of one-inch webbing. Floor is 86" in length and 58" wide tapering to 42" at rear. Height tapers from 42" to 36". Tent is two-toned with colors as available. Comes with stuffsack.
T105 ..... wt. 34 oz. **$22.00**

TRAILWISE TARP TENT. A 10' square of double-coated waterproof 1.9 Ripstop nylon. By using various combinations of the attached nylon tabs, this tarp may be pitched in a variety of configurations, making it among the most adaptable of tents. May also be used as a ground covering or tarpaulin. Comes with stuffsack and 25' of nylon cord. Color: beige.
T108 ..... wt. 43 oz. **$34.00**

VISQUEEN CLAMPS. For attaching lines to plastic tarps. Rubber ball fits in metal wire frame. Package of 8.
N207 ..... wt. ¾ oz. ..... **$ 1.15**
ea. $ .15

GROMMET TABS. Grommets set in adhesive-backed plastic tabs readily attach to plastic sheeting. Package of 10.
N206 ..... **$ 1.35**

GROMMET SETTING KITS. Complete equipment for setting grommets, including setting die, heavy-duty hole punch, cutting board, 48 grommets, and instructions. Will not set spur grommets.
N310 ..... Size 0–¼.. hole ..... **$ 5.50**
N311 ..... Size 1–5/16" hole ..... **$ 5.75**

SETTING DIES FOR SPUR GROMMETS
N320 ..... Size 0–¼" hole ..... **$ 6.00**
N321 ..... Size 1–5/16" hole ..... **$ 6.25**

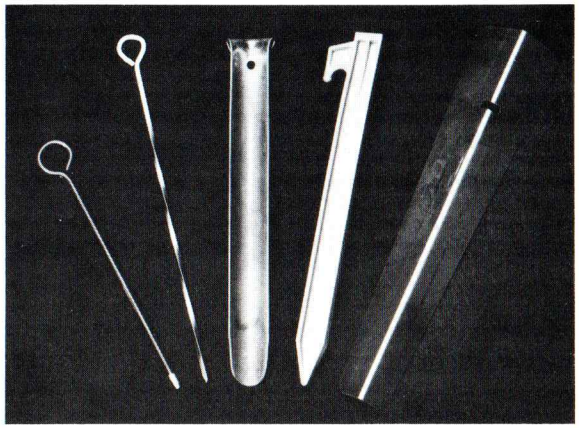
HOLE PUNCHES.
N370/9 for size 0 plain grommets ..... **$ 1.50**
N370/8 for size 0 spur grommets ..... **$ 1.50**
N370/12 for size 1 plain grommets ..... **$ 1.50**
N370/10 for size 1 spur grommets ..... **$ 1.50**

GROMMETS WITH WASHERS. Plain grommets are lightweight brass, suitable for most purposes. Spur grommets are heavier, have gripping teeth; can be set in webbing and heavy materials. Package of 20.
N350/1 ..... size 0 plain ..... **$ .60**
N350/2 ..... size 0 spur ..... **$ 1.00**
N350/3 ..... size 1 plain ..... **$ .80**
N350/4 ..... size 1 spur ..... **$ 1.20**

POLE BEARING PLATE. Aluminum. For poles up to 1" in diameter.
T215 ..... wt. ½ oz. ..... $ .10

GUY LINE TIGHTENER. A small triangular slider, easily adjustable, which locks tent or tarp lines. 3/16" dia. holes; for parachute cord or similar.
T201 ..... wt. ¼ oz. ..... $ .07

CORD TENSION ADJUSTER. Elastic link absorbs wind shock on guy lines.
T114 ..... wt. ½ oz. ..... $ .50



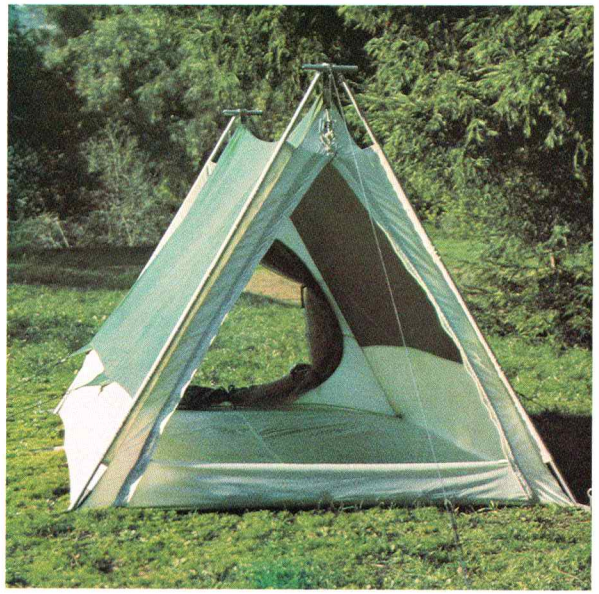
DURALUMIN PEGS. Round pegs. 7" long.
T615 ..... wt. ½ oz. ..... $ .17

TWISTED SKEWER PEG. Light, high tensile steel. 9" long.
T617 ..... wt. 1 oz. ..... $ .10

ALL-PURPOSE PEG. Aluminum half-tube. 8½" long.
T618 ..... wt. 1¼ oz. ..... $ .60

DURAPEG. Strong plastic I-beam construction. 9" long. Color: bright orange.
T610 ..... wt. 1¼ oz. ..... $ .30

ANGLE SNOW PEG. Aircraft aluminum. 10" long.
T616 ..... wt. 1¾ oz. ..... $ .65



TRAILWISE TWO-MAN MOUNTAIN TENT. An exceptionally rigid, light-weight tent. Made of 1.9 Ripstop nylon; supported at each end by 56: angle poles set in nylon sleeves. Floor is 56" x 89", height 48". Zippered closures on front panel with zippered nylon mosquito screen. Tunnel door with mosquito net on rear panel. Ventilating tunnel also with mosquito net at peak of rear panel. Complete ventilation with protection from insects. Sewn-in floor of waterproof double-urethane-coated Ripstop nylon extends 13" up side of tent. Includes poles and pegs, guy lines, shock rings, and stuffsack. Colors: green or orange with beige floor and fly.

TWO-MAN MOUNTAIN TENT COMPLETE WITH POLES, PEGS, AND FLY.
T103/fp ..... wt. 7 lb. 4 oz. **$135.00**

TENT WITHOUT FLY. (Includes poles, pegs, and guy lines.)
T103 ..... wt. 5 lb. 8 oz. **$100.00**

FLYSHEET FOR TWO-MAN MOUNTAIN TENT. Beige waterproof Ripstop nylon, with cord.
T103/f ..... wt. 1 lb. 12 oz. **$35.00**

ORDERED BY:

Last Name _____ first name _____

Address _____

City _____ State _____ Zip _____

MASTERCHARGE ONLY:

Mastercharge card number _____ (DO NOT SEND CARD)

4-digit number above name _____

"Good Thru" date and letter code _____

Please print permanent address above and shipping address on shipping label. Leave label attached.

I am; ___ am not ___ on your mailing list now.

SHIP TO:

Name _____

Address _____

City _____ State _____ Zip _____

This is your shipping label. Please print clearly, and do not detach.

Quant.	Cat. No.	Size	Description (include alternate color choices)	Weight	Amount

First	B.O.	Charges

DO NOT WRITE BEYOND THIS LINE

SEE OVER FOR POSTAL INSTRUCTIONS

POSTAGE & PACKING CHART
(Surface Only)

Weight	Zones 1-4	Zones 5-8
0-2 lbs.	$ .70	$1.00
2-4 lbs.	.90	1.50
4-6 lbs.	1.00	2.00
6-8 lbs.	1.25	2.50
8-10 lbs.	1.50	3.00

Over 10 lbs. **actual postage billed**

6½% Sales Tax in Alameda, Contra Costa and San Francisco counties

SUBTOTAL		
6% State Sales Tax* (Calif. Deliveries Only)		
POSTAGE	SURFACE (SEE CHART)	
	or	
	AIRMAIL .90 per lb.	
Special Handling .50 (expedites regular parcel post only)		
or		
Special Delivery .75 (expedites Air Mail and First Class)		
TOTAL		

Postage	B.O.	
	Net Charges	
Remittance	Tax	
	Postage	
Refund	Food	
Amount Due	**TOTAL**	

DATE CLOSED

the ski hut 1615 university ave., berkeley, calif. 94703

Phone: (415) 843-6506 Hours: 9:00 – 4:30 Mon-Fri Closed Sat & Sun We do not accept collect calls

the ski hut
1615 university ave., berkeley, ca. 94703

HOW TO ORDER

1. FULL REMITTANCE must accompany order. Foreign orders payable in U.S. funds. Most out of stock items will be backordered and shipped on arrival unless cancellation is requested.
2. COD — Do not send remittance with order. Cash payments made to postman on delivery for cost of merchandise, postage and COD charges. Out of stock items will be cancelled. NO COD UNDER $10.00.
3. Master Charge — Complete form on front of order. Do not send card. Out of stock items will be cancelled.

SHIPPING

1. Add up weight of merchandise. Refer to chart below to find appropriate zone. Use the "Postage & Packing Chart" on the front to determine postage.
2. OVERSIZED PARCELS — Skis, some poles, some snowshoes, Klepper boats, etc. will be shipped via alternate carrier. Postage Billed.
3. FOREIGN SHIPMENTS will be billed at International Parcel Post rates. Packframes exceed postal size limits, and must be shipped air freight. Please check with nearest airline for approximate cost.

PRICES

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. Due to international fluctuation of U.S. currency, imported items are subject to frequent price changes. On minor increases, the merchandise will be shipped and you will be billed for the difference. Most of our customers prefer to receive their merchandise rather than wait to be notified of an increase. If a price change is unsatisfactory, please return the merchandise for a refund.

HOW TO RETURN MERCHANDISE

RETURN ITEMS within 30 days if not completely satisfied. Please enclose a letter explaining the problem and what changes you want made. Be sure to include your order number and the name of the person "Ordered By." For your protection please insure the parcel against loss. The Ski Hut sells only products of the finest workmanship. Your satisfaction is guaranteed.

ZONE CHART

To determine your postal zone for Ski Hut mailing, use zone number opposite first three digits of your zip code as listed on the chart below.

Zip Code Prefixes	*Zone*	*Zip Code Prefixes*	*Zone*	*Zip Code Prefixes*	*Zone*	*Zip Code Prefixes*	*Zone*	*Zip Code Prefixes*	*Zone*	*Zip Code Prefixes*	*Zone*
006-098	8	530-534	8	674-679	6	770-787	7	850-859	5	955	3
		535-540	7	680-681	7	788	6	860-864	4	956-959	2
100-199	8	541-543	8	683-693	6	789	7	865-880	5	960-961	3
		544-567	7			790-797	6	881-882	6	962-966	1
200-299	8	570-577	6	700-704	8	798-799	5	883	5	967-969	8
		580-582	7	705-706	7			884	6	970-974	4
300-379	8	583-588	6	707-708	8	800-826	5	890-893	4	975-976	3
380-381	7	590-591	5	710-729	7	827	6	894-897	3	977-979	4
382-385	8	592-593	6	730-739	6	828-832	5	898-899	4	980-985	5
386-387	7	594-599	5	740-745	7	833	4			986	4
388-399	8			746	6	834-835	5	900-928	4	987-992	5
		600-609	8	747	7	836-837	4	930-935	3	993	4
400-499	8	610-617	7	748	6	838	5	936-939	2	994	5
		618-619	8	749-762	7	840-844	4	940-951	1	995-997	8
500-508	7	620-667	7	763-764	6	845	5	952-953	2	998	7
510-511	6	668-672	6	765-767	7	846-847	4	954	1	999	6
512-528	7	673	7	768-769	6						

MOUNTAIN TRAVEL (INC.)

1398 Solano Ave.
Albany, California 94706

Please refer to our full page advertisement at the other end of this sheet

☐ Please send 1973 Mountain Travel brochure.

☐ I would also like the following supplements: _____

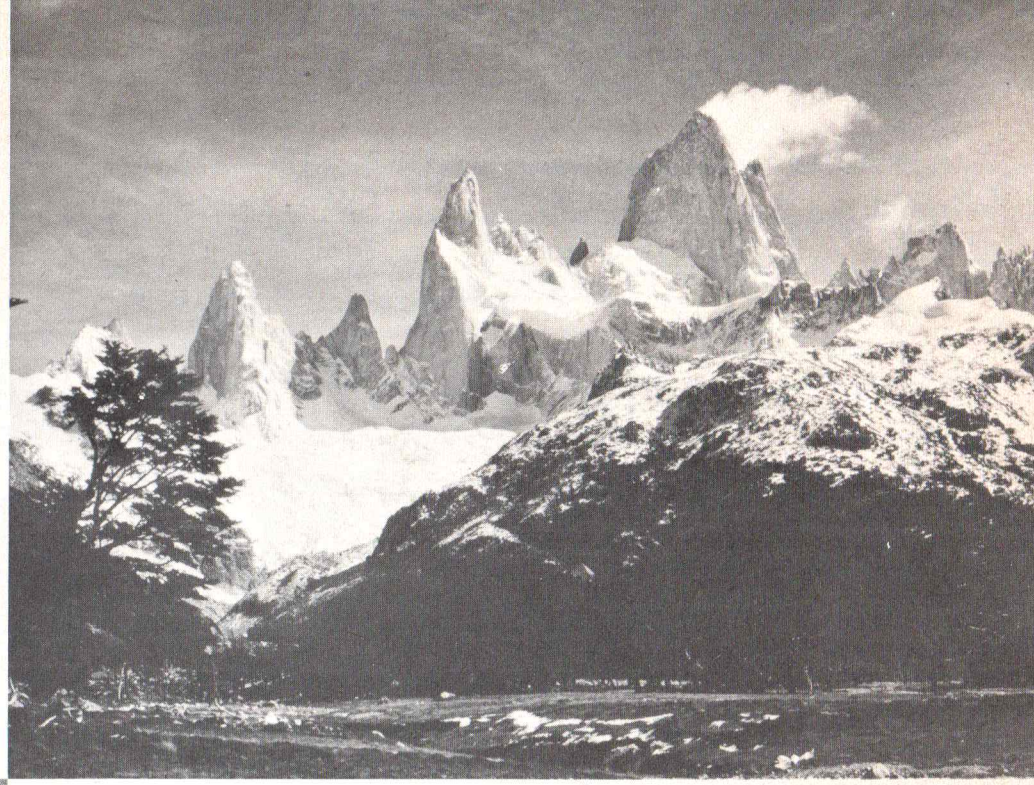
_____

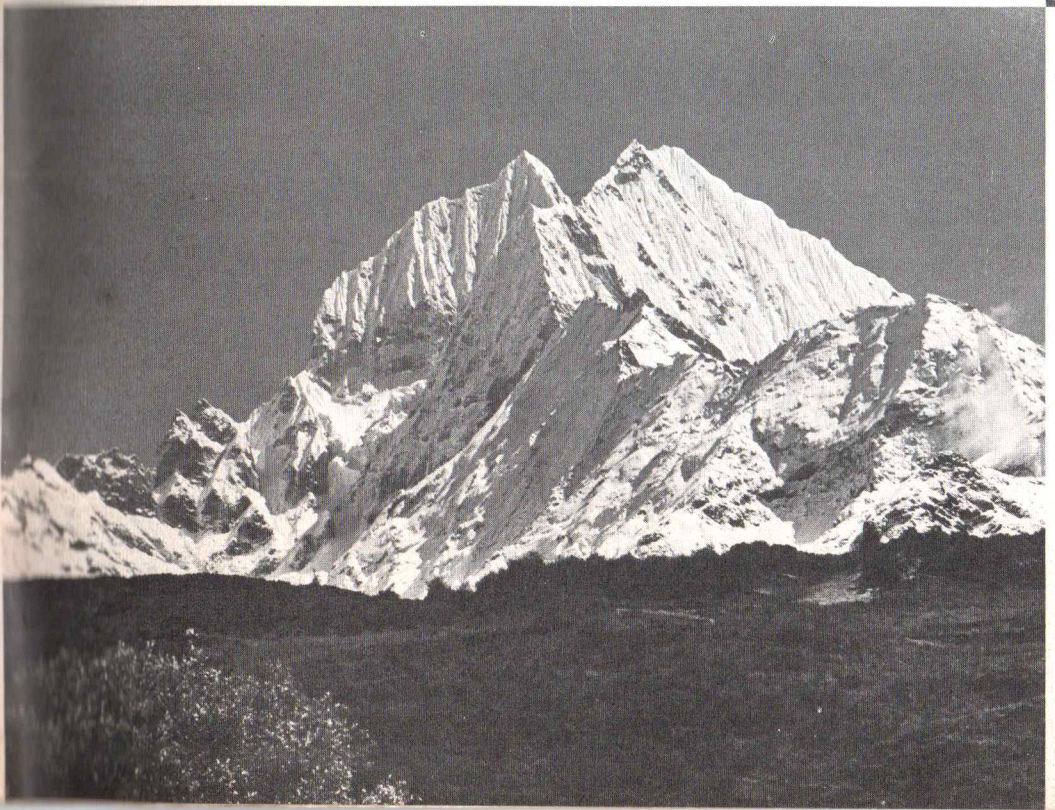
☐ Kindly send your list of books and maps available for sale. Many titles on Nepal and other countries, covering such subjects as exploration, history, art, mountaineering, natural history, etc.

Name _____

Street _____

City _____ State _____ Zip _____





Mountain Gazette

SH

Name _____

Address _____

City _____

State _____ **Zip** _____

☐ $5 for 1 Year
☐ $8 for 2 Years
☐ $10 for 3 Years

☐ 50c for 1 Sample Copy
☐ $1 for 3 Sample Copies

Please enclose check or money order with sample copy requests. You may be billed for subscriptions at your option.

SEND TO: Mountain Gazette, 1801 York Street, Denver, Colorado 80206.

If you have moved and wish to continue to receive THE SKI HUT catalog, please fill out and return the following form. Addresses without zip codes cannot be processed.

MY OLD ADDRESS WAS:

Name (please print) _____

Address _____

City _____ State _____ Zip _____

MY NEW ADDRESS IS:

Address _____

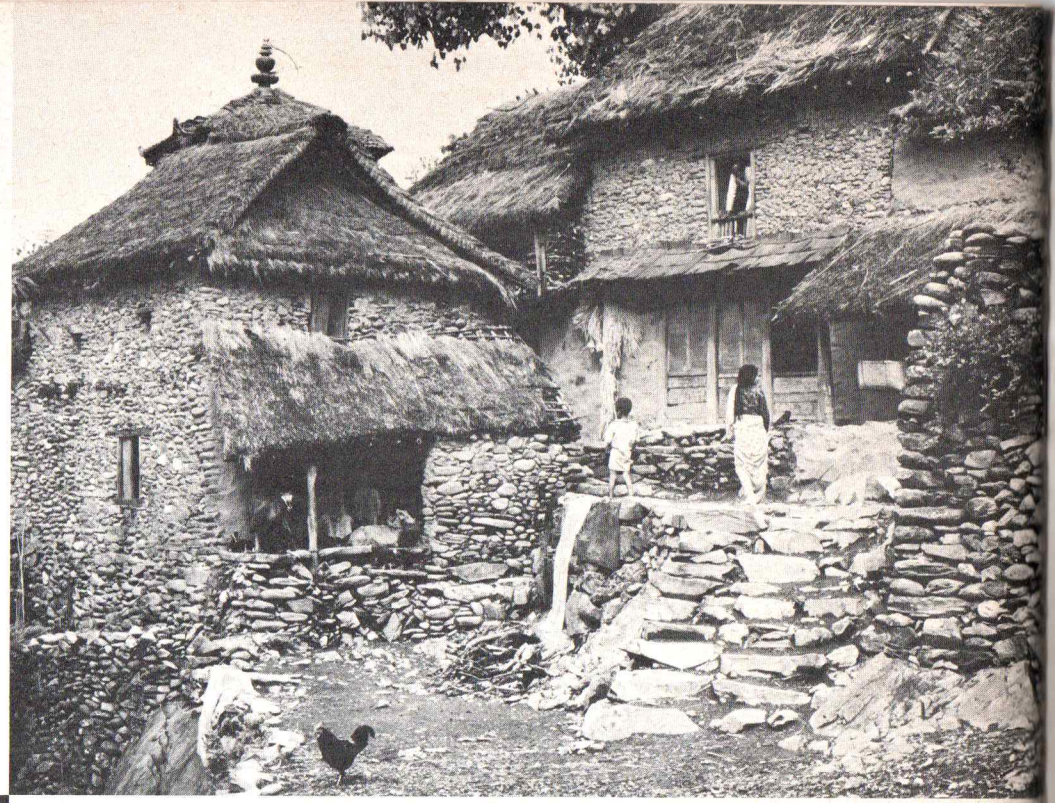
City _____ State _____ Zip _____

I have a friend who would like to be placed on your mailing list and receive The Ski Hut catalog.

Name (please print) _____

Address _____

City _____ State _____ Zip _____



Gift Certificate

Date _____ Amount _____

Presented by _____

To _____

Validated by _____

THE SKI HUT, 1615 UNIVERSITY AVE.,
BERKELEY, CA. 94703

HOW TO USE THE GIFT CERTIFICATE

Simply fill out the Gift Certificate form including the amount you would like to give, and send us a check for that amount. We will validate the certificate and return it to you or, if you prefer, mail it directly to the recipient, who may then redeem the certificate at leisure by mail or in person at **The Ski Hut.**

For years we of THE SKI HUT have urged your active support of local and national conservation organizations. We would like for you to stand up and be counted this year among those who are willing to try saving what is left of our rapidly vanishing wilderness. Listed below are some organizations which have been most effective in directing the battle against environmental spoilers. They need and deserve your support.

America The Beautiful Fund, 219 Shoreham Bldg., Washington, D.C. 20005
California Tomorrow, Monadnock Bldg., 681 Market St., San Francisco, Calif. 94105
Colorado Open Space Council, Inc., 5850 E. Jewell, Denver, Colo. 80222
Defenders of Wildlife, 2000 "N" St., N.W., Suite 201, Washington, D.C. 20036
Friends of Animals, Inc., 11 W. 60th St., New York, N.Y. 10023
Friends of the Earth, 529 Commercial Street, San Francisco, Calif. 94111
The Izaak Walton League of America, 1326 Waukegan Rd., Glenview, Ill. 60025
National Audubon Society, 1130 Fifth Ave., New York, N.Y. 10028
National Parks Association, 1701 Eighteenth St., N.W., Washington, D.C. 20009
National Wildlife Federation, 1412 Sixteenth St., Washington, D.C. 20009
Planned Parenthood-World Population, 810 Seventh Ave., New York, N.Y. 10019
Point Reyes Bird Observatory, Box 321, Bolinas, Calif. 94924
Outward Bound, Inc., Reston, Va. 22070
Rocky Mountain Center on Environment, 580 E. Jewell, Denver, Colo. 80222
Save San Francisco Bay Association, Box 925, Berkeley, Calif. 94701
Sierra Club, 220 Bush St., San Francisco, Calif. 94104
Wilderness Society, 729 Fifteenth st., N.W., Washington, D.C. 20005
World Wildlife Fund, 901 Seventeenth St., N.W., Washington, D.C. 20005
Zero Population Growth, Inc., 4080 Fabian Way, Palo Alto, Calif. 94303

The Ski Hut staff wishes you the best in outdoor experience this year.

George Rudolf	Chris Fredericks	Kathy Larramendy	Joan Sewell
Peter Noone	Brian Galvin	Benson Lee	William Townsend
Alfred Smith	Gordon Gee	Joanna Lennon	Jon Wiesel
Steve Homo	Ardith Gordon	Cindy McEneany	Jeff Wheeler
John Slouber	Cheryl Haines	Chrys Peters	Deborah Gray
Curtis Crooks	Jeff Klahn	Daniel Rasmussen	

Store Hours

June 1 – August 31

Monday, Tuesday, Wednesday, Thursday	9:30 – 9
Friday, Saturday	9:30 – 6
Sunday	12 – 4

September 1 – May 31

Monday, Tuesday, Wednesday, Friday, Saturday	9:30 – 6
Thursday	9:30 – 9

IMPORTANT! READ BEFORE SEALING ORDER

HOW TO ORDER

1. FULL REMITTANCE must accompany order. Foreign orders payable in U.S. funds. Most out of stock items will be backordered and shipped on arrival unless cancellation is requested.
2. COD – Do not send remittance with order. Cash payments made to postman on delivery for cost of merchandise, postage and COD charges. Out of stock items will be cancelled. NO COD UNDER $10.00.
3. Master Charge – Complete form on front of order. Do not send card. Out of stock items will be cancelled.

SHIPPING

1. Add up weight of merchandise. Refer to chart below to find appropriate zone. Use the "Postage & Packing Chart" on the front to determine postage.
2. OVERSIZED PARCELS – Skis, some poles, some snowshoes, Klepper boats, etc. will be shipped via alternate carrier. Postage Billed.
3. FOREIGN SHIPMENTS will be billed at International Parcel Post rates. Packframes exceed postal size limits, and must be shipped air freight. Please check with nearest airline for approximate cost.

PRICES

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE. Due to international fluctuation of U.S. currency, imported items are subject to frequent price changes. On minor increases, the merchandise will be shipped and you will be billed for the difference. Most of our customers prefer to receive their merchandise rather than wait to be notified of an increase. If a price change is unsatisfactory, please return the merchandise for a refund.

HOW TO RETURN MERCHANDISE

RETURN ITEMS within 30 days if not completely satisfied. Please enclose a letter explaining the problem and what changes you want made. Be sure to include your order number and the name of the person "Ordered By." For your protection please insure the parcel against loss. The Ski Hut sells only products of the finest workmanship. Your satisfaction is guaranteed.

the ski hut 1615 university ave., berkeley, calif. 94703

the ski hut
1615 university ave.
berkeley, calif.
94703

BULK RATE
U.S. POSTAGE PAID
THE SKI HUT

Return postage guaranteed
Address Correction Requested